

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCA3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCA3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P3K dependency
549933 AA102526		1	1	31.53	1	31.53	31.53	31.53	dependent
323238 W42723		14.46	16.53	409.69	49.59	28.32	24.79	8.26	partial
501430 AA115248		3.36	3.66	75.61	38.18	22.48	20.67	1.98	independent
666371 AA232645		5.79	4.26	108.69	9.71	18.76	25.52	11.19	dependent
139009 R62612		16.54	6.62	290.53	97.2	17.57	43.88	2.99	partial
714106 AA284668		35.77	23.4	495.02	44.91	13.84	21.16	11.02	dependent
341328 V58092		17.96	13.62	242.52	108.64	13.51	17.81	2.23	partial
310406 N98591		2.45	1.8	32.28	5.5	13.19	17.91	5.86	partial
257960 N30747		11.96	28.97	156.16	52.05	13.06	5.39	3	partial
813242 AA455904		1	1.24	12.85	1.35	12.85	10.38	9.49	dependent
129840 R17044		4.97	9.24	62.96	39.16	12.66	6.81	1.61	independent
811062 AA485441		33.5	78.75	409.91	201.92	12.24	5.21	2.03	partial
324437 W46900		10.97	9.45	133.65	16.02	12.18	14.14	8.34	dependent
81129 T69926		61.84	26.62	749.82	442.11	12.13	28.17	1.7	independent
1031599 AA609485		2.17	2.98	24.62	17.77	11.33	8.27	1.39	independent
77133 T50633		7.72	14.32	86.67	50.28	11.23	6.05	1.72	independent
857287 AA669710		6.65	30.43	73.23	41.89	11.01	2.41	1.75	independent
757961 AA436871		6.84	6.76	75.13	47.95	10.99	11.12	1.57	independent
139009 R62612		19.29	14.59	206.7	63.18	10.71	14.16	3.27	partial
123408 R00395		3.95	6.72	42.1	24.61	10.65	6.26	1.71	independent
826072 AA521394		2.03	2.53	21.33	4.89	10.51	8.43	4.36	partial
296155 V00895		12.39	13.87	128.57	55.22	10.37	9.27	2.33	partial
130057 R20886		7.33	2.9	75.64	23.05	10.32	26.09	3.28	partial
292522 N91307		9.33	6.8	95.46	49.3	10.23	14.04	1.94	independent
292515 N68465		18.25	32.86	186.78	77.24	10.23	5.68	2.42	partial
293924 N63940		9.48	10.74	96.95	40.15	10.22	9.03	2.41	partial
664975 AA194833		218.16	212.83	2172.97	381.46	9.96	10.21	5.7	dependent
132142 R26164		3.43	7.92	34.03	33.41	9.92	4.3	1.02	independent
754393 AA436192		2	4.42	19.88	18.3	9.92	4.5	1.09	independent
144777 R76263		21.33	39.67	206.26	117.07	9.67	5.2	1.76	independent
840404 AA485653		6	9.01	58.02	56.38	9.67	6.44	1.03	independent
843352 AA489400		70.82	59.82	680.52	525.93	9.61	11.38	1.29	independent
50754 H18070		6.45	7.43	61.78	47.65	9.58	8.32	1.3	independent
813841 AA453728		6.67	5.06	62.92	5.55	9.43	12.44	11.34	dependent
754026 AA479976		107.46	51.35	1008.02	438.04	9.38	19.63	2.3	partial
628955 AA194765		4.89	3.62	44.96	32.58	9.19	12.43	1.38	independent
327245 AA284291		17.19	20.91	155.93	90.2	9.07	7.46	1.73	independent
415264 W92011		3	3.14	26.55	15.3	8.85	8.45	1.74	independent
134270 R31168		6.64	13.52	58.41	58.89	8.8	4.32	0.99	independent
138021 R63197		13.73	15.44	120.16	89.57	8.75	7.78	1.34	independent
244652 N52911		82.55	141.41	716.74	501.01	8.68	5.07	1.43	independent
415406 W80389		5.27	5.61	45.39	30.75	8.61	8.09	1.48	independent
50188 H17158		13.8	15.65	117.57	86.97	8.52	7.51	1.35	independent
810444 AA457114		24.66	13.46	209.76	55.49	8.51	15.58	3.78	partial
815503 AA456869		8.71	18.82	72.16	75.08	8.29	3.83	0.96	independent

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526657 AA133129		65.66	45.62	532.42	449.36	8.11	11.67	1.18	independent
134172 R30957		26.07	44.83	209.27	176.38	8.03	4.67	1.19	independent
232789 H73947		8.11	11.66	65.06	63.98	8.02	5.58	1.02	independent
135083 R33030		84.99	86.2	679.32	581.6	7.99	7.88	1.17	independent
811942 AA455003		12.27	9.98	97.28	80.19	7.93	9.75	1.21	independent
714426 AA291995		8.7	6.06	68.89	38.84	7.92	11.37	1.77	independent
136506 R34566		8.43	16.03	65.91	34.13	7.82	4.11	1.93	independent
341821 W60745		5.71	7.27	44.46	32.98	7.78	6.12	1.35	independent
758662 AA401853		12.15	23.15	94.42	73.59	7.77	4.08	1.28	independent
771056 AA427398		3.21	6.81	24.81	27.52	7.74	3.65	0.9	independent
153541 R48320		5.04	3.27	38.94	9.44	7.73	11.92	4.13	dependent
754358 AA436142		3.91	3.72	30.17	26.26	7.71	8.12	1.15	independent
843159 AA488497		79.14	148.13	601.33	445.14	7.6	4.06	1.35	independent
773157 AA425382		1.26	1.2	9.56	3.76	7.58	7.97	2.54	partial
342378 W65461		5.59	7.77	42.31	10.8	7.57	5.45	3.92	dependent
810859 AA458965		3.05	2.89	22.46	7.28	7.36	7.78	3.08	partial
80374 T65833		12.98	11.9	95.35	65.11	7.35	8.01	1.46	independent
755145 AA411440		84.82	82.05	619.75	628.44	7.31	7.55	0.99	independent
383676 AA679116		1	1.3	7.3	1.68	7.3	5.6	4.35	dependent
46477 H09966		2.51	2.55	18.22	8.15	7.27	7.14	2.24	partial
811899 AA454652		19.52	24.2	141.34	104.38	7.24	5.84	1.35	independent
770670 AA476272		4.17	4.23	30.04	8.9	7.21	7.11	3.38	partial
884657 AA629910		28.36	47.24	203.75	105.57	7.18	4.31	1.93	independent
810039 AA455281		54.27	47.4	388.47	262.71	7.16	8.2	1.48	independent
135303 R31544		11.23	5.21	80.45	42.14	7.16	15.43	1.91	independent
781139 AA429895		2.64	2.9	18.9	10.66	7.15	6.51	1.77	independent
144797 R76553		12.63	2.9	89.79	15.28	7.11	30.96	5.88	dependent
309893 N94487		18.72	12.85	133.03	40.27	7.11	10.35	3.3	partial
142927 R71120		3.92	7.39	27.72	35.02	7.08	3.75	0.79	independent
144912 R78554		4.85	4.51	34.22	29.46	7.06	7.59	1.16	independent
811150 AA485734		3.36	3.2	23.65	10.58	7.05	7.39	2.24	partial
127099 R08116		17.03	24.64	119.07	93.62	6.99	4.83	1.27	independent
82556 T73294		1	1	6.98	1	6.98	6.98	6.98	dependent
284845 N66724		1.11	3.67	7.71	6.89	6.97	2.1	1.12	independent
841399 AA487552		27.61	57.49	191.24	229.45	6.93	3.33	0.83	independent
842818 AA486374		45.97	36.71	314.8	221.61	6.85	8.58	1.42	independent
625875 AA186804		36.64	27.7	250.08	92.32	6.83	9.03	2.71	partial
1031669 AA609541		1	3.78	6.81	4.82	6.81	1.8	1.41	independent
950356 AA600173		30.11	58.93	204.46	192.49	6.79	3.47	1.06	independent
770672 AA476273		5.46	6.38	36.79	16.7	6.74	5.76	2.2	partial
898253 AA598676		14.38	23.31	96.55	94.69	6.72	4.14	1.02	independent
711918 AA282134		8.45	9.21	56.61	61	6.7	6.15	0.93	independent
324861 W48713		4.32	3.94	28.88	27.27	6.69	7.33	1.06	independent
299427 N76117		1.54	5.68	10.31	7.03	6.68	1.81	1.47	independent
247614 N58144		4.9	10.62	32.67	35.57	6.67	3.08	0.92	independent

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73381 T55801		37.03	33.37	246.66	135.61	6.66	7.39	1.82	independent
399563 AA733073		1.23	2.3	8.16	3.89	6.66	3.55	2.1	partial
45542 H08560		3.62	2.56	23.81	4.07	6.58	9.31	5.85	dependent
509484 AA056390		23.39	30.98	153.32	167.83	6.56	4.95	0.91	independent
138455 R68626		5.93	3.56	38.8	21.43	6.54	10.89	1.81	independent
753252 AA406233		4.16	4.86	27.21	7.95	6.53	5.6	3.42	dependent
240694 H78134		7.73	9.8	50.21	23.74	6.49	5.13	2.12	partial
203275 H54752		13.18	7.42	84.3	49.44	6.4	11.36	1.71	independent
811943 AA455012		53.97	18.84	344.81	140.31	6.39	18.3	2.46	partial
322537 W15263		3.03	3.51	19.32	8.81	6.37	5.5	2.19	partial
810878 AA458973		6.74	6.24	42.24	43.38	6.27	6.77	0.97	independent
143169 R73672		1.55	1.91	9.66	6.21	6.25	5.06	1.55	independent
841141 AA487031		20.89	17.53	129.78	46.33	6.21	7.4	2.8	partial
767059 AA451751		2.23	2.33	13.85	4.42	6.21	5.94	3.13	dependent
855707 AA663941		47.37	96.36	293.75	147.45	6.2	3.05	1.99	independent
343320 W68169		8.28	6.25	51.18	29.39	6.18	8.19	1.74	independent
486787 AA043228		110.73	137.33	682.61	414.91	6.16	4.97	1.65	independent
340734 W55872		62.83	74.98	386.66	176.47	6.15	5.16	2.19	partial
812042 AA455968		5.36	4.36	32.79	41.28	6.12	7.52	0.79	independent
505227 AA142923		15.48	10.91	94.65	17.68	6.11	8.67	5.35	dependent
841207 AA486731		14.25	5.16	87.05	15.2	6.11	16.86	5.73	dependent
82710 T73468		9.1	18.14	55.36	45.62	6.08	3.05	1.21	independent
433220 AA680421		1.32	1.47	7.96	1	6.02	5.4	7.96	dependent
296883 W01084		8.13	15.55	48.56	47.11	5.97	3.12	1.03	independent
781447 AA428659		1.91	2.63	11.41	10.08	5.97	4.34	1.13	independent
294092 N68510		1.63	1.71	9.73	1.51	5.97	5.68	6.43	dependent
144870 R78536		10.3	11.11	61.02	47.73	5.92	5.49	1.28	independent
742049 AA401457		31.74	87.03	187.71	119.4	5.91	2.16	1.57	independent
884655 AA629909		129.58	89.83	763.78	267.8	5.89	8.5	2.85	partial
298236 N70837		1.27	2.8	7.5	5.31	5.89	2.68	1.41	independent
845345 AA773478		52.88	84.07	311.15	177.5	5.88	3.7	1.75	independent
878676 AA775355		155.71	240.65	912.39	537.33	5.86	3.79	1.7	independent
418049 W90728		12.33	7.7	72.14	36.21	5.85	9.37	1.99	independent
344251 W73797		3.2	4.86	18.53	23.3	5.78	3.81	0.8	independent
768561 AA425102		1.62	1.59	9.36	1.28	5.77	5.89	7.29	dependent
261745 H99152		12.36	11.31	71.28	36.39	5.77	6.3	1.96	independent
824933 AA489040		9.72	14.37	55.78	20.57	5.74	3.88	2.71	partial
40887 R56562		1.78	3.87	10.18	8.6	5.73	2.63	1.18	independent
324690 W47325		2.97	2.01	17.04	4.4	5.73	8.49	3.87	dependent
450303 AA682849		1.42	1.63	8.09	4.87	5.72	4.97	1.66	independent
29063 R40970		1.42	1	8.1	6.83	5.71	8.1	1.19	independent
33342 R44617		1	1	5.69	4.28	5.69	5.69	1.33	independent
41595 R59556		1	1	5.69	1	5.69	5.69	5.69	dependent
298903 N75386		3.01	2.32	17.08	15.53	5.68	7.36	1.1	independent
125148 R05309		19.01	14.04	107.86	76.2	5.67	7.68	1.42	independent

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243230 H94586		2.12	4.45	12.02	24.27	5.66	2.7	0.5	independent
755402 AA424695		38.83	63.87	219.67	188.07	5.66	3.44	1.17	independent
286490 N67355		4.13	5.22	23.34	22.08	5.65	4.47	1.06	independent
772429 AA405571		1.2	1.13	6.75	2.14	5.64	6	3.16	dependent
824643 AA491295		1	1	5.64	1	5.64	5.64	5.64	dependent
487088 AA045300		33	41.41	185.48	386.88	5.62	4.48	0.48	independent
746084 AA482028		1.92	1.5	10.71	1.39	5.58	7.15	7.73	dependent
67654 T49539		4.84	3.77	26.9	12.93	5.56	7.14	2.08	partial
120881 T96083		5.82	5.1	32.32	27.23	5.55	6.33	1.19	independent
595606 AA167270		7.74	10.31	42.95	28.04	5.55	4.17	1.53	independent
814270 AA458994		20.94	9.41	115.88	62.97	5.53	12.31	1.84	independent
246686 N57731		15.38	22.39	84.77	89.43	5.51	3.79	0.95	independent
772261 AA404479		12.64	10.31	69.5	62.97	5.5	6.74	1.1	independent
282019 N48197		2.5	4.19	13.77	5.15	5.5	3.28	2.67	partial
204148 H55921		11.76	6.5	64.52	38.64	5.49	9.92	1.67	independent
585800 AA143509		29.65	30.91	162.46	137.74	5.48	5.26	1.18	independent
752732 AA417881		6.25	3.97	33.98	29.79	5.44	8.57	1.14	independent
305606 N90246		4.97	6.51	26.99	21.11	5.43	4.14	1.28	independent
700527 AA291163		3.58	7.38	19.43	37.31	5.43	2.63	0.52	independent
123343 R00075		1.21	3.31	6.53	1.64	5.42	1.97	3.98	dependent
360357 AA013355		1	1	5.42	1	5.42	5.42	5.42	dependent
20115 R45009		5.98	5.54	32.26	30.24	5.39	5.83	1.07	independent
825013 AA489201		64.3	43.68	346.72	176.66	5.39	7.94	1.96	independent
809824 AA455519		9.03	14.79	48.61	41.82	5.38	3.29	1.16	independent
841499 AA487264		1.31	1	7.02	4.19	5.38	7.02	1.68	independent
756596 AA444049		1.83	3.3	9.86	5.94	5.37	2.99	1.66	independent
33049 R19031		6.21	4.7	33.06	21.88	5.32	7.03	1.51	independent
429848 AA009809		1	1	5.31	5.01	5.31	5.31	1.06	independent
783629 AA446682		30.43	18.44	160.82	92.17	5.28	8.72	1.74	independent
188232 H45711		5.08	3.15	26.75	13.71	5.27	8.51	1.95	independent
454970 AA676625		50.66	64.07	266.68	163.05	5.26	4.16	1.64	independent
346917 W79920		10.73	10.41	56.07	38.13	5.23	5.38	1.47	independent
214614 H73661		4.86	4.35	25.37	14.34	5.22	5.84	1.77	independent
788486 AA452730		3.45	4.03	17.97	19.61	5.22	4.46	0.92	independent
231903 H92853		1	1	5.21	1.27	5.21	5.21	4.11	dependent
119133 T94087		6.51	7.96	33.79	32.99	5.19	4.24	1.02	independent
838818 AA457675		1.49	1.08	7.74	6.7	5.19	7.15	1.15	independent
813266 AA456394		2.01	2.73	10.44	10.09	5.18	3.83	1.03	independent
840726 AA487846		10.96	12.18	56.41	11.81	5.15	4.63	4.78	dependent
290308 N92208		20.18	18.45	103.28	91.24	5.12	5.6	1.13	independent
243972 N39544		2.9	5.09	14.85	5.46	5.12	2.952	2.72	dependent
45582 H08120		10.93	31.19	55.84	43.85	5.11	1.79	1.27	independent
898138 AA598492		23.06	17.73	117.65	98.55	5.1	6.64	1.19	independent
213635 H72113		1	1.13	5.1	1.62	5.1	4.5	3.35	dependent
343919 W69960		13.85	23.41	70.72	29.85	5.1	3.02	2.37	partial

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435488 AA701351		27.42	86	139.56	93.94	5.09	1.62	1.49	independent
126795 R07167		3.78	4.23	19.21	8.43	5.08	4.54	2.28	partial
840683 AA488072		5.13	2.36	26.04	7.53	5.08	11.04	3.46	dependent
841352 AA487651		19.79	11.02	100.34	44.58	5.07	9.1	2.25	partial
755821 AA496576		27.98	35.87	141.54	119.09	5.06	3.95	1.19	independent
704459 AA279883		3.34	3.02	16.87	3.47	5.06	5.59	4.86	dependent
826173 AA521431		108.78	36.9	547.96	241.21	5.04	14.85	2.27	partial
782171 AA431210		6.42	5.99	32.39	14.61	5.04	5.41	2.22	partial
491311 AA150198		1.28	1	6.45	1.37	5.03	6.45	4.71	dependent
131984 R32437		1	1	5.03	1	5.03	5.03	5.03	dependent
897033 AA676768		1.02	1	5.11	2.81	5.02	5.11	1.82	independent
469762 AA027964		3.02	1.5	15.05	6.27	4.99	10.04	2.4	partial
754093 AA479199		2.86	1.67	14.27	3.19	4.98	8.53	4.48	dependent
194986 R88741		10.95	15.46	54.2	44.15	4.95	3.5	1.23	independent
839936 AA490134		1.56	1.68	7.71	3.4	4.94	4.59	2.27	partial
277484 N56879		1.39	2.15	6.86	4.58	4.94	3.18	1.5	independent
47542 H16454		36.2	18.94	178.51	69.79	4.93	9.43	2.56	dependent
950448 AA599093		15.23	21.7	75.13	56.1	4.93	3.46	1.34	independent
277528 N34518		1	1.35	4.9	1.66	4.9	3.62	2.95	dependent
455179 AA676899		8.67	20.5	42.46	32.78	4.9	2.07	1.3	independent
795375 AA453275		43.96	38.42	214.46	253.55	4.88	5.58	0.85	independent
434952 AA700680		6.56	2.36	32.02	4.84	4.88	13.58	6.62	dependent
814353 AA458838		14.43	12.71	70.26	20.72	4.87	5.53	3.39	dependent
363086 AA019482		12.28	8.89	59.73	54.73	4.86	6.72	1.09	independent
132381 R26672		7.1	6.94	34.5	37.85	4.86	4.97	0.91	independent
366349 AA025782		7.33	7.3	35.38	25.75	4.83	4.85	1.37	independent
66420 R16069		12.68	9.46	61.18	63.61	4.82	6.47	0.96	independent
768453 AA495944		26.76	28.15	128.79	125.81	4.81	4.57	1.02	independent
788641 AA449832		3.6	5.14	17.28	22.06	4.81	3.36	0.78	independent
788386 AA456413		11.39	27.23	54.78	45.8	4.81	2.01	1.2	independent
810864 AA458968		19.05	14.8	91.46	47.28	4.8	6.18	1.93	independent
769716 AA428960		10.64	8.5	51.06	26.33	4.8	6.01	1.94	independent
280175 N49247		1.68	4.61	8.08	7.95	4.8	1.75	1.02	independent
281467 N47967		3.6	5.04	17.21	16.28	4.79	3.42	1.06	independent
511586 AA127116		497.79	556.22	2382.02	2064.04	4.79	4.28	1.15	independent
739116 AA421515		1	1	4.79	1	4.79	4.79	4.79	dependent
214162 H77766		8.14	12.06	38.9	42.23	4.78	3.23	0.92	independent
110746 T83098		1.44	2.2	6.85	5.28	4.77	3.11	1.3	independent
52802 H29032		1.06	1.28	5.04	5.05	4.77	3.95	1	independent
306043 N90999		1.09	1.13	5.19	1	4.77	4.58	5.19	dependent
869187 AA680300		10.79	19.25	51.17	32.38	4.74	2.66	1.58	independent
824896 AA488893		1	1	4.74	1	4.74	4.74	4.74	dependent
344156 W69995		3.52	4.34	16.57	7.48	4.71	3.82	2.22	partial
725549 AA293448		1.18	2.67	5.57	2.11	4.71	2.09	2.64	dependent
343072 W67174		136.63	160.4	639.37	577.17	4.68	3.99	1.11	independent

TABLE I

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
134476 R27644		21.56	29.51	100.79	94.5	4.68	3.42	1.07	independent
503520 AA131325		1.77	1.34	8.29	1.34	4.68	6.17	6.2	dependent
292312 N79206		2.69	4.16	12.58	9.93	4.67	3.02	1.27	independent
1031908 AA609734		1.23	2.09	5.75	4.21	4.66	2.76	1.37	independent
45291 H08642		55.74	41.39	258.77	202.41	4.64	6.25	1.28	independent
342712 W68542		1.24	1.95	5.76	5.53	4.63	2.95	1.04	independent
377461 AA055835		27.8	34.38	128.18	47.24	4.61	3.73	2.71	dependent
756471 AA436405		1	1.08	4.61	1.45	4.61	4.28	3.19	dependent
824875 AA488885		20.84	51.71	95.95	69.07	4.6	1.86	1.39	independent
289055 N59835		1.68	2.44	7.69	7.14	4.58	3.16	1.08	independent
1467195 AA884709		2.68	4.43	12.24	16.03	4.56	2.76	0.76	independent
433522 AA700625		1	1	4.55	1	4.55	4.55	4.55	dependent
281770 N51749		5.22	5.53	23.7	10.54	4.54	4.28	2.25	partial
129585 R16596		7.38	10.57	33.4	30.56	4.53	3.16	1.09	independent
251769 H97868		4.59	5.28	20.79	16.21	4.53	3.94	1.28	independent
768246 AA424937		6.2	6.46	28.02	27.33	4.52	4.34	1.03	independent
795766 AA460307		1.44	3.21	6.52	3.65	4.52	2.03	1.79	independent
194006 H51825		11.61	16.25	52.35	42.54	4.51	3.22	1.23	independent
714210 AA293192		13.63	18.05	61.18	51.76	4.49	3.39	1.18	independent
510702 AA101996		5.32	5.59	23.87	17.36	4.49	4.27	1.37	independent
784772 AA478542		59.42	27.82	265.37	179.66	4.47	9.54	1.48	independent
194384 H50677		13.52	22.63	60.39	47.42	4.47	2.67	1.27	independent
85497 T71879		1.49	1.96	6.66	4.92	4.46	3.39	1.35	independent
1031945 AA609767		1.27	1.81	5.65	7.97	4.46	3.12	0.71	independent
760282 AA447959		4.76	3.99	21.18	15.87	4.45	5.3	1.33	independent
345069 W76339		25.53	17.67	113.2	62.74	4.43	6.41	1.8	independent
898262 AA598670		68.47	71.08	301.03	285.18	4.4	4.24	1.06	independent
309685 W30810		3.16	4.4	13.89	9.27	4.4	3.16	1.5	independent
811138 AA485730		1	1.18	4.4	1	4.4	3.73	4.4	dependent
365841 AA025937		10.44	10.48	45.86	26.55	4.39	4.38	1.73	independent
246194 N77006		3.13	2.04	13.71	8.8	4.39	6.72	1.56	independent
589617 AA148102		2.19	1.94	9.63	1.78	4.39	4.97	5.41	dependent
898121 AA598486		17.32	10.72	75.97	31.41	4.39	7.09	2.42	dependent
278906 N66627		1.52	3.82	6.66	4.82	4.38	1.75	1.38	independent
1493160 AA878880		1	1	4.37	1.24	4.37	4.37	3.53	dependent
811930 AA454662		55.08	23.38	240.22	115.33	4.36	10.27	2.08	partial
161195 H25229		59.36	36.93	258.42	215.15	4.35	7	1.2	independent
841641 AA487700		76.81	47.5	332.98	173.18	4.34	7.01	1.92	independent
325015 W48838		1.09	1	4.72	1	4.33	4.72	4.72	dependent
110503 T89996		1.92	2.7	8.27	2.65	4.31	3.06	3.12	dependent
295831 N74602		26.54	30.67	114.48	84.94	4.31	3.73	1.35	independent
295140 N71647		10.04	5.78	43.19	28.11	4.3	7.47	1.54	independent
83506 T69562		1	1.63	4.29	1	4.29	2.63	4.29	dependent
144849 R78530		26.72	31.84	114.55	45.08	4.29	3.6	2.54	dependent
279656 N48975		2.3	2.8	9.88	2.18	4.29	3.53	4.54	dependent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
127242 R08292		1	1.64	4.28	5.06	4.28	2.6	0.85	independent
284734 N59851		7.1	7.57	30.34	33.5	4.27	4.01	0.91	independent
123229 T99853		2.04	3.01	8.73	6.52	4.27	2.9	1.34	independent
526184 AA076645		76.01	144.74	324	365.84	4.26	2.24	0.89	independent
813444 AA455945		10.6	11.46	45.19	31.53	4.26	3.94	1.43	independent
1486082 AA936757		151.99	12.06	646.81	33.99	4.26	53.64	19.03	dependent
68103 T52894		114.79	64.54	487.32	431.15	4.25	7.55	1.13	independent
714213 AA293571		12.04	5.93	51.17	10.2	4.25	8.62	5.02	dependent
253241 H89293		22.81	13.57	96.98	54.3	4.25	7.15	1.79	independent
178029 H46922		1	1	4.25	1.88	4.25	4.25	2.26	dependent
277112 N39611		18.25	19.53	77.56	36.57	4.25	3.97	2.12	partial
203711 H56345		1.16	1.96	4.91	2.14	4.24	2.5	2.29	dependent
261519 H98636		1.91	1.59	8.07	2.42	4.23	5.09	3.33	dependent
897880 AA598637		155.84	102.16	659.11	400.54	4.23	6.45	1.65	independent
279970 N57553		1.2	2.36	5.08	2.88	4.23	2.15	1.76	independent
109265 T81033		22.59	24.55	95.3	96.68	4.22	3.88	0.99	independent
1325751 AA873089		1.3	5.49	5.49	2.03	4.22	1	2.7	dependent
211800 H71092		45.19	25.05	190.34	104.96	4.21	7.6	1.81	independent
279613 N48913		1.15	1.53	4.84	1.92	4.2	3.17	2.51	dependent
79766 T63971		1.1	1.12	4.63	1	4.19	4.12	4.63	dependent
417561 W89071		1.8	2.05	7.55	3.28	4.19	3.69	2.3	dependent
811770 AA463446		9.06	3.72	37.93	24.64	4.19	10.21	1.54	independent
449039 AA777397		1.37	1	5.72	1.92	4.19	5.72	2.98	dependent
724387 AA411107		31.87	21.49	133.23	102.71	4.18	6.2	1.3	independent
742794 AA400475		1.39	2.01	5.83	6.69	4.18	2.9	0.87	independent
744374 AA621188		34.09	8.98	142.25	97.07	4.17	15.84	1.47	independent
824382 AA489699		17.65	11.52	73.46	76.02	4.16	6.37	0.97	independent
69378 T58652		24.82	47.85	102.88	102.33	4.14	2.15	1.01	independent
814785 AA455239		1	1	4.13	1	4.13	4.13	4.13	dependent
257978 N30757		1.77	2.81	7.28	9.6	4.12	2.59	0.76	independent
75009 T51895		4.86	5.14	20	13.02	4.12	3.89	1.54	independent
505573 AA147640		4.02	15.51	16.54	22.47	4.11	1.07	0.74	independent
202577 H53274		1.27	1.65	5.21	2.58	4.11	3.15	2.02	partial
51916 H22563		16.13	23.85	66.24	27.91	4.11	2.78	2.37	dependent
251517 H96605		1.22	2.93	5.03	3.26	4.11	1.72	1.54	independent
395898 AA757464		39.34	45.37	161.77	100.7	4.11	3.57	1.61	independent
280234 N49191		1.27	2.35	5.19	4.46	4.09	2.21	1.16	independent
731319 AA416770		1.53	3.18	6.28	4.18	4.09	1.97	1.5	independent
149760 H00598		1.26	1.41	5.15	2.16	4.09	3.64	2.38	dependent
232965 H72674		3.49	4.6	14.26	20.4	4.08	3.1	0.7	independent
588550 AA143343		4.86	7.35	19.82	24.43	4.08	2.7	0.81	independent
279394 N48701		3.96	6.33	16.17	6.44	4.08	2.56	2.51	dependent
284931 N71861		1.11	2.03	4.52	4.67	4.08	2.23	0.97	independent
503819 AA131664		1.63	1.31	6.64	4.1	4.07	5.06	1.62	independent
742887 AA406226		1.58	1.68	6.43	14.01	4.07	3.83	0.46	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
730544 AA435936		1.46	3.76	5.92	5.33	4.07	1.57	1.11	independent
824758 AA488998		14.96	36.42	60.93	46.03	4.07	1.67	1.32	independent
826300 AA521008		34.49	68.18	140.41	81.68	4.07	2.06	1.72	independent
280699 N47445		3.63	7.73	14.78	9.75	4.07	1.91	1.52	independent
399331 AA774649		12.61	11.61	51.11	15.9	4.05	4.4	3.22	dependent
1404995 AA845584		1.37	1.91	5.54	1.18	4.04	2.91	4.7	dependent
809530 AA454572		34.05	11.48	137.26	75.35	4.03	11.95	1.82	independent
782575 AA447522		2.87	1.72	11.56	2.9	4.03	6.73	3.99	dependent
591671 AA147439		2.19	2.55	8.83	11.24	4.03	3.46	0.79	independent
277196 N34320		20.57	15.18	82.91	25.38	4.03	5.46	3.27	dependent
135058 R33011		5.14	6.74	20.68	21.59	4.02	3.07	0.96	independent
282716 N49958		2.39	2.19	9.57	8.77	4.01	4.36	1.09	independent
757237 AA426031		2.15	1.21	8.62	5.69	4.01	7.12	1.52	independent
753386 AA410345		1.34	2.71	5.36	2.18	4.01	1.98	2.46	dependent
810948 AA459383		1.24	2.45	4.96	2.45	4	2.03	2.02	dependent
277487 N56888		6.74	6.65	26.98	27.93	4	4.06	0.97	independent
194401 R83017		1.02	1.83	4.06	1.25	3.99	2.22	3.24	dependent
814906 AA465692		28.81	81.62	114.95	84.99	3.99	1.41	1.35	independent
725473 AA397819		5.46	7.9	21.73	14.79	3.98	2.75	1.47	independent
74187 T48367		3.09	2.63	12.28	6.13	3.98	4.67	2	partial
609052 AA176607		1.81	3.43	7.2	4.91	3.98	2.1	1.47	independent
366543 AA026627		1	1.5	3.98	2.48	3.98	2.66	1.6	independent
435714 AA699972		1.96	1.31	7.79	1	3.98	5.95	7.79	dependent
1412481 AA845156		1.45	1.57	5.75	1.31	3.97	3.67	4.38	dependent
460403 AA677534		82.2	59.45	325.57	110.97	3.96	5.48	2.93	dependent
840942 AA486627		1.49	1.67	5.88	4.26	3.95	3.52	1.38	independent
417426 W88572		21.01	12.83	83.08	38.02	3.95	6.47	2.19	dependent
884822 AA669341		457.49	830.51	1808.66	830.82	3.95	2.18	2.18	dependent
79629 T62491		2.46	1.75	9.71	4.96	3.94	5.56	1.96	independent
783698 AA446822		29.55	25.38	116.33	36.88	3.94	4.58	3.15	dependent
756405 AA482119		1.03	1.44	4.05	3.78	3.94	2.82	1.07	independent
811976 AA456646		22.23	17.44	87.6	72.64	3.94	5.02	1.21	independent
289725 N59278		1.24	2.02	4.9	1.66	3.94	2.42	2.96	dependent
1376827 AA812973		58.55	68.41	230.86	88.26	3.94	3.37	2.62	dependent
281605 N51614		1.45	1.09	5.69	2.1	3.92	5.23	2.7	dependent
80910 T70098		21.08	7.28	82.48	39.87	3.91	11.33	2.07	dependent
838568 AA456931		198.79	128.8	776.3	789.37	3.91	6.03	0.98	independent
730394 AA469937		1.09	1.14	4.28	1	3.91	3.75	4.28	dependent
753029 AA436463		1.46	2.1	5.7	3.56	3.9	2.71	1.6	independent
232908 H73484		122.76	215.96	477.24	208.58	3.89	2.21	2.29	dependent
79562 T62844		10.56	20.41	41.06	39.18	3.89	2.01	1.05	independent
80618 T57778		1.87	1.95	7.29	2.14	3.89	3.74	3.4	dependent
773199 AA425700		5.56	4.9	21.59	19.94	3.89	4.41	1.08	independent
281508 N51536		2.06	4.3	8	4.03	3.89	1.86	1.99	partial
283444 N52799		1.46	3.6	5.69	5.14	3.89	1.58	1.11	independent



TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
449328 AA777910		3.16	2.66	12.31	5.61	3.89	4.63	2.19	dependent
839736 AA504943		88.95	56.09	345.34	161.87	3.88	6.16	2.13	dependent
142689 R70999		1	1.99	3.88	2.83	3.88	1.95	1.37	independent
342283 W61264		1.65	3.77	6.38	6.19	3.88	1.69	1.03	independent
383521 AA678980		3.24	5.14	12.54	11.17	3.88	2.44	1.12	independent
826995 AA521384		56.01	35.57	217.07	64.41	3.88	6.1	3.37	dependent
51449 H21043		2.14	1.66	8.28	4.09	3.87	5	2.02	dependent
809535 AA454585		122.89	82.07	474.76	287.93	3.86	5.78	1.65	independent
510381 AA055585		7.48	7.87	28.84	17.29	3.86	3.66	1.67	independent
121574 T97717		1.89	1.35	7.28	8.97	3.86	5.39	0.81	independent
27152 R37289		1.03	1.39	3.99	1.47	3.86	2.87	2.71	dependent
840493 AA487797		1.24	2.06	4.76	4.9	3.85	2.31	0.97	independent
813755 AA453815		1.6	1.64	6.18	3.83	3.85	3.77	1.61	independent
261841 H99213		1.3	1.31	5	3.22	3.84	3.82	1.55	independent
825011 AA489200		1.25	1.91	4.81	3.79	3.84	2.52	1.27	independent
296754 W04206		1.72	2.45	6.59	3.34	3.83	2.69	1.97	partial
703479 AA278240		3.95	2.72	15.12	10.26	3.83	5.56	1.47	independent
188422 H44838		9.26	16.15	35.46	16.17	3.83	2.2	2.19	dependent
360747 AA016245		2.26	2.29	8.64	1	3.82	3.78	8.64	dependent
138149 R53810		9.48	28	36.22	42.97	3.82	1.29	0.84	independent
503737 AA131464		98.89	86.94	376.32	239.77	3.81	4.33	1.57	independent
810743 AA480835		11.93	17.17	45.41	41.03	3.81	2.64	1.11	independent
824117 AA490617		7.68	7.15	29.26	19.01	3.81	4.09	1.54	independent
43865 H05091		1.35	1	5.14	1.89	3.81	5.14	2.72	dependent
704519 AA279533		570.86	158.94	2175.05	390.73	3.81	13.68	5.57	dependent
67074 T70431		12.46	12.27	47.27	48.35	3.79	3.85	0.98	independent
726414 AA399166		6.45	8.46	24.47	19.98	3.79	2.89	1.22	independent
511143 AA088274		29.34	29.43	111.27	74.14	3.79	3.78	1.5	independent
247803 N77630		8.41	6.86	31.78	28.25	3.78	4.63	1.12	independent
767049 AA424315		89.91	34.92	340.25	177.62	3.78	9.74	1.92	partial
796549 AA460274		1.72	1.33	6.5	4.35	3.78	4.9	1.49	independent
1240283 AA788641		3.94	2	14.9	5.16	3.78	7.46	2.89	dependent
586650 AA129135		11.33	24.74	42.83	25.08	3.78	1.73	1.71	independent
204638 H56931		17.14	17.07	64.67	76.45	3.77	3.79	0.85	independent
292982 N69100		4.48	7.48	16.89	12.15	3.77	2.26	1.39	independent
285798 N69332		3.3	4.14	12.43	5.25	3.77	3	2.37	dependent
359653 AA010872		1.97	4.21	7.42	2.72	3.77	1.76	2.73	dependent
207562 H60175		1.6	1.53	6.02	2.86	3.77	3.94	2.1	dependent
842785 AA486313		41.98	47.68	157.94	158.98	3.76	3.31	0.99	independent
192543 H41255		1.14	1.34	4.29	1	3.76	3.2	4.29	dependent
755304 AA436327		55.07	85.43	206.32	116.03	3.75	2.42	1.78	independent
503639 AA133665		13.65	4.25	51	9.62	3.74	11.99	5.3	dependent
1031731 AA609591		1.88	2.84	7.01	2.56	3.74	2.46	2.74	dependent
725978 AA394066		49.79	105.34	185.94	105.01	3.73	1.77	1.77	independent
243244 H95038		1.06	1	3.96	2.68	3.73	3.96	1.48	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
277384 N34426		14.71	27.44	54.88	30.92	3.73	2	1.77	independent
415178 W95104		1.21	1.03	4.51	3.88	3.72	4.36	1.16	independent
416833 W86653		5.96	4.21	22.17	14.76	3.72	5.26	1.5	independent
320209 W04509		1.92	2.55	7.13	2.92	3.72	2.79	2.44	dependent
813449 AA455951		1.5	1.63	5.59	2.57	3.72	3.43	2.18	dependent
812243 AA455052		1	1.52	3.72	1	3.72	2.44	3.72	dependent
392526 AA708096		5.17	6.29	19.26	2.24	3.72	3.06	8.59	dependent
120306 T97204		9.57	5.38	35.56	30.45	3.71	6.62	1.17	independent
770027 AA427688		11.09	16.71	41.16	27.4	3.71	2.46	1.5	independent
296375 N70122		7.94	8.31	29.47	18.55	3.71	3.54	1.59	independent
364352 AA022496		1	1.02	3.71	2.81	3.71	3.63	1.32	independent
845519 AA644234		126.82	216.33	470.91	390.13	3.71	2.18	1.21	independent
796646 AA460115		118.57	110.94	438.74	466.84	3.7	3.95	0.94	independent
251417 H96504		1.05	1	3.89	2.5	3.7	3.89	1.55	independent
290111 N62195		729.59	162.3	2699.17	415.16	3.7	16.63	6.5	dependent
148352 H13278		6.54	8.5	24.19	8.84	3.7	2.85	2.74	dependent
50403 H17959		2.14	1.18	7.89	2.42	3.69	6.7	3.27	dependent
826130 AA521335		1	1.43	3.69	1	3.69	2.59	3.69	dependent
362059 AA001432		140.13	74.05	515.56	66.83	3.68	6.96	7.71	dependent
742036 AA402812		24.88	24.24	91.53	54.44	3.68	3.78	1.68	independent
262695 H99415		13.26	10.35	48.8	29.34	3.68	4.71	1.66	independent
487317 AA043800		1.66	1.85	6.09	2.16	3.67	3.3	2.81	dependent
796444 AA459981		1.59	1.95	5.81	6.67	3.67	2.98	0.87	independent
362544 AA018408		1.76	2.58	6.45	4.74	3.67	2.5	1.36	independent
723986 AA410680		13.89	14.05	50.91	33.61	3.66	3.62	1.51	independent
841470 AA487346		3.56	4.22	13.04	13.79	3.66	3.09	0.95	independent
878681 AA775364		913.83	2998.59	3343.42	3868.55	3.66	1.11	0.86	independent
769579 AA425826		1.02	1.79	3.74	1	3.65	2.09	3.74	dependent
785967 AA449738		45.56	10.88	166.29	71.43	3.65	15.29	2.33	dependent
435894 AA701412		1	1.56	3.65	1	3.65	2.34	3.65	dependent
73550 T55569		1.8	1.46	6.53	2.38	3.64	4.46	2.74	dependent
503817 AA131663		2.05	5.22	7.45	7.83	3.64	1.43	0.95	independent
73527 T55558		7.09	10.08	25.82	13.19	3.64	2.56	1.96	partial
812251 AA455056		17.81	16.99	63.93	45.49	3.63	3.76	1.41	independent
291537 N72878		34.84	31.55	126.31	84.78	3.63	4	1.49	independent
289865 N62079		1.42	2.66	5.14	3.96	3.63	1.93	1.3	independent
1473300 AA916323		42.9	230.69	155.51	164.32	3.63	0.67	0.95	independent
194395 R83160		5.16	11.64	18.64	10.96	3.61	1.6	1.7	independent
122443 T99336		2.06	2.57	7.42	8.48	3.61	2.88	0.88	independent
712604 AA281932		30.8	37.69	111.07	39.42	3.61	2.95	2.82	dependent
22845 R43678		2.24	2.96	8.09	4.5	3.61	2.74	1.8	independent
266819 N24113		11.8	10.21	42.63	14.44	3.61	4.17	2.95	dependent
154214 R51946		14.67	21.4	52.67	33.11	3.59	2.46	1.59	independent
122345 T99191		2.23	2.84	8.02	6.54	3.59	2.83	1.23	independent
277357 N57499		2.68	5.11	9.61	6.51	3.59	1.88	1.48	independent

TABLE I

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
305122 N92611		75.6	72.08	270.87	136.59	3.58	3.76	1.98	partial
429534 AA011394		21.6	32.91	77.4	49.99	3.58	2.35	1.55	independent
50578 H16821		1	1	3.58	1	3.58	3.58	3.58	dependent
52754 H29781		1	1.95	3.58	1.92	3.57	1.84	1.87	partial
178524 H47048		1.49	1.67	5.33	1	3.57	3.19	5.33	dependent
77533 T58773		1.05	1	3.76	1	3.56	3.76	3.76	dependent
50786 H16832		9.12	7.65	32.46	15.6	3.56	4.24	2.08	dependent
814341 AA459123		41.36	18.44	147.4	46.9	3.56	7.99	3.14	dependent
51448 H21041		11.83	12.62	42	17.34	3.55	3.33	2.42	dependent
782146 AA431181		1.04	1.03	3.69	1.65	3.55	3.6	2.24	dependent
135716 R32424		1.73	1.52	6.11	2.21	3.54	4.02	2.77	dependent
136070 R34273		44.04	36.05	156.11	153.28	3.54	4.33	1.02	independent
814381 AA459051		30.37	30.91	107.11	106.66	3.53	3.47	1	independent
141854 R70598		18.45	31.99	65.12	86.04	3.53	2.04	0.76	independent
950594 AA608531		3.08	5.73	10.86	8.75	3.53	1.89	1.24	independent
730543 AA435945		2.03	2.35	7.17	3.01	3.53	3.05	2.39	dependent
42070 R60343		34.85	113.5	123.08	263.08	3.53	1.08	0.47	independent
700664 AA283881		1.99	2.97	7	4.53	3.53	2.36	1.55	independent
67016 T70382		3.19	5.29	11.23	8.12	3.52	2.12	1.38	independent
682073 AA256476		3.23	6	11.36	7.11	3.52	1.89	1.6	independent
1031100 AA610081		1.75	2.71	6.16	2.64	3.52	2.27	2.34	dependent
267738 N23283		26.39	54.25	92.37	67.32	3.5	1.7	1.37	independent
192401 H38425		3.65	3.09	12.79	5.02	3.5	4.14	2.55	dependent
135800 R33103		13.05	10.68	45.52	42.19	3.49	4.26	1.08	independent
261851 H99215		1.04	1.02	3.62	1.13	3.49	3.55	3.2	dependent
1056170 AA620994		2.83	3	9.87	4.33	3.49	3.29	2.28	dependent
178255 H46748		1	1.96	3.49	3.52	3.49	1.78	0.99	independent
646753 AA205598		1.21	2.91	4.21	1.29	3.49	1.44	3.26	dependent
80226 T64216		1.58	1.37	5.5	2.37	3.48	4.01	2.32	dependent
773512 AA427947		1.7	1.09	5.92	2.55	3.48	5.43	2.32	dependent
122394 T99303		1.12	1.12	3.88	1	3.47	3.45	3.88	dependent
703994 AA279097		1.26	1	4.36	2.7	3.47	4.36	1.61	independent
85394 T72119		7.61	4.61	26.35	6.31	3.46	5.71	4.18	dependent
839579 AA489813		1	1	3.46	1.54	3.46	3.46	2.25	dependent
1031911 AA609746		1.14	1.5	3.94	4.56	3.46	2.63	0.86	independent
726699 AA398262		1	1.54	3.46	1.39	3.46	2.24	2.48	dependent
415408 W80495		1.61	2.26	5.55	2.49	3.46	2.45	2.23	dependent
359139 AA009941		1.32	1.66	4.55	4.74	3.46	2.74	0.96	independent
287190 N66900		2.16	4.22	7.46	6.76	3.46	1.77	1.1	independent
399302 AA774524		1.9	1.69	6.57	1.82	3.46	3.89	3.61	dependent
234562 H78241		13.06	10.11	45.07	53.66	3.45	4.46	0.84	independent
756509 AA436425		33.04	16	113.86	47.23	3.45	7.12	2.41	dependent
375827 AA039851		1	1.09	3.45	3.85	3.45	3.15	0.9	independent
627125 AA190401		82.73	63.56	285.17	172.72	3.45	4.49	1.65	independent
839903 AA490058		1	1	3.45	3.98	3.45	3.45	0.87	independent

TABLE I

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCA3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCA3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
283878 N52591		13.11	30.1	45.24	35.06	3.45	1.5	1.29	independent
452466 AA704802		5.14	15.42	17.71	19.33	3.45	1.15	0.92	independent
127096 R08109		5.14	11.63	17.69	19.32	3.44	1.52	0.92	independent
320602 W31389		2.08	1.32	7.15	15.62	3.44	5.42	0.46	independent
840460 AA485865		4.83	2.51	16.64	8.94	3.44	6.63	1.86	partial
282108 N51499		13.59	14	46.81	41.37	3.44	3.34	1.13	independent
37901 R59304		26.36	15.8	90.77	15.97	3.44	5.75	5.68	dependent
204335 H59915		139.52	205.26	479.15	587.94	3.43	2.33	0.81	independent
45804 H09334		2.12	2.26	7.26	3.08	3.43	3.21	2.36	dependent
131979 R32440		19.34	40.3	66.43	45.6	3.43	1.65	1.46	independent
731130 AA417090		1	2.4	3.42	4.24	3.42	1.42	0.81	independent
1309620 AA757170		3.35	5.75	11.45	2.58	3.42	1.99	4.44	dependent
199158 H83178		15.94	19.01	54.43	59.32	3.41	2.86	0.92	independent
297084 W03793		1.15	1.64	3.92	2.81	3.41	2.4	1.4	independent
796132 AA460968		16.4	20.27	55.87	31.42	3.41	2.76	1.78	partial
38141 R49559		1.23	4.42	4.18	1.88	3.41	0.95	2.22	dependent
212198 H69153		43.32	13.57	147.23	96.52	3.4	10.85	1.53	independent
343538 W69134		1.02	1	3.49	1.61	3.4	3.49	2.16	dependent
415554 W80637		10.02	4.04	34.05	12.87	3.4	8.43	2.65	dependent
281949 N48178		1.74	3.9	5.92	7.18	3.4	1.52	0.82	independent
785690 AA449319		3.36	4.66	11.43	8.35	3.4	2.45	1.37	independent
268692 N25920		12.34	13.38	41.94	32.33	3.4	3.13	1.3	independent
1055137 AA621367		2.5	2.56	8.5	6.3	3.4	3.32	1.35	independent
701256 AA286807		1	1	3.4	1	3.4	3.4	3.4	dependent
489031 AA057073		1.59	2.06	5.39	4.65	3.39	2.61	1.16	independent
81427 T60168		4.93	3.61	16.69	10.01	3.39	4.62	1.67	independent
796319 AA461314		1.89	3.18	6.39	2.41	3.39	2.01	2.65	dependent
292463 N62586		5.5	4.82	18.59	16.17	3.38	3.86	1.15	independent
428824 AA005290		2.78	3.27	9.38	4.99	3.38	2.86	1.88	partial
362718 AA018214		1	1	3.38	2.77	3.38	3.38	1.22	independent
489220 AA056734		2.84	4.88	9.56	4.7	3.37	1.96	2.03	dependent
78041 T61343		3.57	6.33	12.03	4.33	3.37	1.9	2.78	dependent
432021 AA678272		20.35	44.52	68.47	67.18	3.37	1.54	1.02	independent
839623 AA504682		122.44	58.69	411.24	306.09	3.36	7.01	1.34	independent
814636 AA481026		5.42	7.94	18.23	19.4	3.36	2.3	0.94	independent
342349 W61116		3.66	2.94	12.29	9.91	3.36	4.18	1.24	independent
298231 N70841		14.16	12.71	47.59	47.08	3.36	3.75	1.01	independent
275730 R94845		1.3	2.98	4.36	3.3	3.36	1.46	1.32	independent
244202 N52973		38.96	45.68	130.47	71.5	3.35	2.86	1.82	partial
198580 R94809		1.22	1.52	4.09	4.19	3.35	2.69	0.98	independent
246786 N53172		1.14	1	3.82	1.54	3.35	3.82	2.49	dependent
809648 AA454673		62.75	40.46	209.92	117.54	3.35	5.19	1.79	partial
277221 N34331		2.3	3.11	7.7	3.77	3.35	2.48	2.04	dependent
726523 AA398073		1.68	4.26	5.63	4.76	3.35	1.32	1.18	independent
773276 AA425319		1.02	3.63	3.39	2.48	3.34	0.94	1.37	independent

TABLE I

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
884789 AA629844		36.77	52.34	122.99	79.05	3.34	2.35	1.56	independent
43884 H05580		44.46	37.21	147.97	64.11	3.33	3.98	2.31	dependent
815235 AA481276		15.52	14.22	51.53	44.14	3.32	3.62	1.17	independent
161998 H26182		10.61	10.75	35.27	17.33	3.32	3.28	2.04	dependent
284803 N59870		1.12	1.58	3.73	2.23	3.32	2.36	1.67	partial
1031566 AA609291		2.78	5.54	9.23	5.94	3.32	1.67	1.55	independent
123506 R00628		3.15	4.14	10.41	9.74	3.31	2.51	1.07	independent
376298 AA041251		23.54	17.02	77.86	40.41	3.31	4.58	1.93	partial
591699 AA147224		7.15	8.09	23.64	9.34	3.31	2.92	2.53	dependent
843041 AA488418		75.58	90.27	249.97	170.73	3.31	2.77	1.46	independent
713238 AA282938		17.63	40.73	58.42	47.33	3.31	1.43	1.23	independent
666279 AA233805		1	1.31	3.3	1.26	3.3	2.52	2.61	dependent
28278 R37377		1.28	3.64	4.23	2.56	3.3	1.16	1.66	partial
840517 AA486324		48.82	113.07	180.61	107.77	3.29	1.42	1.49	independent
810448 AA457116		30.18	25.86	99.22	33.47	3.29	3.84	2.96	dependent
230560 H75860		1.78	1.42	5.85	2.43	3.29	4.13	2.41	dependent
345935 W72201		5.86	5.02	19.28	11.05	3.29	3.84	1.74	partial
341295 W59028		1.13	2.19	3.72	1.43	3.29	1.7	2.6	dependent
503749 AA131469		1.67	1.82	5.49	3.41	3.28	3.02	1.61	independent
253132 H88953		2.21	3	7.27	3.4	3.28	2.42	2.14	dependent
435739 AA700783		1.18	1	3.87	1	3.28	3.87	3.87	dependent
267978 N23747		2.42	1.13	7.95	2.04	3.28	7.04	3.9	dependent
138728 R63515		23.65	16.41	77.55	19.04	3.28	4.72	4.07	dependent
22851 R45279		1.53	1.82	4.99	1.88	3.27	2.74	2.65	dependent
259383 N31963		5.96	8.63	19.47	5.24	3.27	2.25	3.71	dependent
150118 H01858		1	1.02	3.27	1	3.27	3.19	3.27	dependent
108265 T70541		13.81	17.36	45.04	41.11	3.26	2.59	1.1	independent
121239 T96708		1.49	2.67	4.86	3.76	3.26	1.82	1.29	independent
366344 AA025774		1.44	1.7	4.67	3.11	3.25	2.74	1.5	independent
812969 AA464602		29.48	43.62	95.91	65.86	3.25	2.2	1.46	independent
341061 W58291		1.77	2.9	5.75	6.39	3.25	1.98	0.9	independent
854678 AA630084		82.89	206.08	269.18	246.92	3.25	1.31	1.09	independent
781766 AA431678		6.3	5.57	20.39	13.05	3.24	3.66	1.56	independent
898092 AA598794		85.52	164.23	277.24	401.73	3.24	1.69	0.69	independent
564517 AA121704		2.82	4.37	9.13	14.89	3.24	2.09	0.61	independent
283703 N50733		3.31	5.6	10.73	5.75	3.24	1.92	1.87	partial
712292 AA280279		14.36	5.71	46.51	9.49	3.24	8.15	4.9	dependent
135975 R33456		63.03	113.84	204.46	230.36	3.24	1.8	0.89	independent
878253 AA775791		26.02	50.19	84.43	83.44	3.24	1.68	1.01	independent
83210 T68336		2	1.69	6.46	6.36	3.23	3.82	1.02	independent
746019 AA482013		1.65	1	5.34	1	3.23	5.34	5.34	dependent
197051 R93153		9.41	11.58	30.28	33.69	3.22	2.61	0.9	independent
486591 AA042990		40.57	23.87	130.81	58.74	3.22	5.48	2.23	dependent
774754 AA442092		136.98	77.76	439.85	341.16	3.21	5.66	1.29	independent
489519 AA099153		23.77	16.15	76.31	60.79	3.21	4.73	1.26	independent

TABLE 1

1003445-10001

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
119004 T92782		4.01	4.57	12.87	6.65	3.21	2.82	1.94	partial
278523 N66156		33.91	39.57	108.75	63.93	3.21	2.75	1.7	partial
1030738 AA608952		1.84	2.79	5.89	2.1	3.2	2.11	2.8	dependent
108667 T72698		6.76	8.87	21.53	25.09	3.19	2.43	0.86	independent
160126 H21868		10.57	9.84	33.7	29.89	3.19	3.42	1.13	independent
260619 H97566		2.15	2.02	6.88	3.14	3.19	3.4	2.19	dependent
48181 H12277		1.74	1.31	5.56	1.63	3.19	4.26	3.42	dependent
743169 AA401406		2.01	2.66	6.4	2.79	3.19	2.41	2.29	dependent
755762 AA496452		1.34	1.73	4.27	1.67	3.19	2.47	2.56	dependent
306540 N91821		35.63	70.5	113.7	76.98	3.19	1.61	1.48	independent
310105 W24246		1.86	1.77	5.92	4.41	3.18	3.35	1.34	independent
47793 H11730		2.48	2.06	7.89	1.44	3.18	3.83	5.46	dependent
486221 AA044059		142.37	104.16	453.27	252.09	3.18	4.35	1.8	partial
321205 AA037352		1.89	1.81	5.99	7.04	3.18	3.31	0.85	independent
838287 AA457485		53.94	75.08	171.71	114.96	3.18	2.29	1.49	independent
810529 AA464558		1.19	2.28	3.77	1.64	3.18	1.65	2.29	dependent
244194 N51030		1	1	3.18	4.34	3.18	3.18	0.73	independent
1030855 AA621761		99.34	119.64	315.47	314.14	3.18	2.64	1	independent
825404 AA504253		6	13.72	19.06	23.31	3.18	1.39	0.82	independent
502369 AA156940		49.35	75.29	156.39	53.4	3.17	2.08	2.93	dependent
379771 AA706022		2.28	2.13	7.24	1.59	3.17	3.4	4.56	dependent
322186 W37880		1	1	3.17	1	3.17	3.17	3.17	dependent
898032 AA598942		21.54	18.37	68.05	50.62	3.16	3.7	1.34	independent
242820 H94050		5.45	8.04	17.23	20.15	3.16	2.14	0.86	independent
241897 H93027		1.44	1.28	4.53	1.33	3.16	3.53	3.4	dependent
627676 AA196210		2.92	5.76	9.21	6.38	3.16	1.6	1.44	independent
684655 AA251770		134.64	172.65	425.1	237	3.16	2.46	1.79	partial
412927 AA707728		2.3	6.88	7.27	5.6	3.16	1.06	1.3	independent
461372 AA704902		2.6	2.8	8.21	2.15	3.16	2.94	3.81	dependent
208904 H63760		1.62	1.93	5.09	3.67	3.15	2.65	1.39	independent
142087 R69248		1.32	1.9	4.17	2.42	3.15	2.2	1.72	partial
471642 AA034939		5.28	3.88	16.64	9.65	3.15	4.29	1.73	partial
454795 AA677300		19.66	15.22	61.97	43.24	3.15	4.07	1.43	independent
841278 AA486836		7.76	10.41	24.39	35.77	3.14	2.34	0.68	independent
247466 N64285		4.85	5.53	15.22	16.32	3.14	2.75	0.93	independent
769911 AA430524		1.1	1	3.47	1.37	3.14	3.47	2.53	dependent
742672 AA401370		18.22	35.64	57.19	85.24	3.14	1.6	0.67	independent
1031548 AA609282		3.52	3.99	11.04	6.21	3.14	2.77	1.78	partial
162137 H25897		37.95	40.5	119.02	76.89	3.14	2.94	1.55	independent
85394 T71976		12.15	7.58	38	9.67	3.13	5.01	3.93	dependent
416782 W86760		1.01	1	3.17	1	3.13	3.17	3.17	dependent
727200 AA402482		1.95	2.77	6.1	6.37	3.13	2.2	0.96	independent
132878 R25652		15.08	13.67	47.2	33.48	3.13	3.45	1.41	independent
713145 AA282906		3.96	8.7	12.36	5.91	3.12	1.42	2.09	dependent
269224 N24715		1	1	3.12	2.64	3.12	3.12	1.18	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
365706 AA025408		1	1	3.12	4.27	3.12	3.12	0.73	independent
280507 N47312		91.14	55.92	284.24	70.38	3.12	5.08	4.04	dependent
897504 AA496924		29.19	22.02	91	59.56	3.12	4.13	1.53	independent
1031375 AA609138		1.15	1.57	3.6	2.11	3.12	2.29	1.7	partial
123354 T99617		4.92	4.65	15.31	14.42	3.11	3.29	1.06	independent
244637 N54914		98.13	109.39	305.15	272.06	3.11	2.79	1.12	independent
280735 N50549		16.57	12.39	51.48	37.16	3.11	4.15	1.39	independent
877646 AA488181		4.41	2.55	13.72	3.05	3.11	5.38	4.5	dependent
1412398 AA844998		1.69	2.64	5.25	1.44	3.11	1.99	3.64	dependent
285503 N64044		2.82	1.22	8.76	12.28	3.11	7.16	0.71	independent
725392 AA292064		13.4	21.44	41.67	25.56	3.11	1.94	1.63	partial
341137 W56325		7.18	7.53	22.21	21.79	3.1	2.95	1.02	independent
365536 AA009596		54.13	91.04	167.61	149.2	3.1	1.84	1.12	independent
121214 T97080		1.06	1.73	3.27	2.41	3.1	1.89	1.36	independent
290231 N62273		3.85	6.61	11.9	16.07	3.1	1.8	0.74	independent
68767 T53389		1	1.18	3.1	1	3.1	2.63	3.1	dependent
594323 AA169202		3.87	4.21	12	4.06	3.1	2.85	2.96	dependent
31022 R42561		1.55	1.38	4.82	9.73	3.1	3.48	0.5	independent
417706 W89107		1	1	3.1	1	3.1	3.1	3.1	dependent
682522 AA256502		14.51	22.79	44.81	42.56	3.09	1.97	1.05	independent
295916 W04152		42.52	53.97	131.33	107.89	3.09	2.43	1.22	independent
143322 R74357		16.72	32.11	51.57	43.1	3.09	1.61	1.2	independent
470128 AA029956		2.74	3.88	8.46	7.25	3.09	2.18	1.17	independent
39813 R53928		2.52	3.42	7.79	4.71	3.09	2.28	1.65	partial
44300 H06377		1	1	3.09	1	3.09	3.09	3.09	dependent
703916 AA279060		2.94	2.48	9.08	5.2	3.09	3.66	1.74	partial
289618 N62179		16.09	34.57	49.62	80.24	3.08	1.44	0.62	independent
796152 AA461078		15.81	18.45	48.75	19.32	3.08	2.64	2.52	dependent
590120 AA158022		2.45	3.1	7.54	6.03	3.08	2.43	1.25	independent
1031510 AA609242		3.21	5.19	9.88	6.64	3.08	1.9	1.49	independent
412967 AA707847		14.77	18.46	45.47	37.82	3.08	2.46	1.2	independent
141623 R69307		16.77	13.85	51.54	45.91	3.07	3.72	1.12	independent
427657 AA002153		2.33	2.57	7.16	3.92	3.07	2.78	1.83	partial
502666 AA127070		2.03	2.08	6.23	1.89	3.07	2.99	3.3	dependent
252864 H88362		2.15	3.75	6.62	7.48	3.07	1.76	0.88	independent
109275 T80832		1	1	3.07	2.16	3.07	3.07	1.43	independent
435926 AA701941		3.05	3.6	9.35	5.69	3.07	2.6	1.64	partial
321773 W33165		5.98	3.01	18.33	13.31	3.06	6.09	1.38	independent
296757 N70285		1.78	1.81	5.44	4.86	3.06	3	1.12	independent
26259 R20547		3.52	4.74	10.77	10.7	3.06	2.27	1.01	independent
309264 N93875		1.4	1.02	4.28	5.95	3.06	4.19	0.72	independent
782769 AA448170		3.06	4.11	9.36	12.54	3.06	2.28	0.75	independent
823796 AA490264		1.14	3.95	3.5	1.42	3.06	0.89	2.46	dependent
454668 AA677183		4.98	3.35	15.22	7.02	3.06	4.54	2.17	dependent
529861 AA070997		60.61	22.99	184.8	130.36	3.05	8.04	1.42	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
248412 N58558		7.04	4.86	21.45	4.48	3.05	4.41	4.78	dependent
853574 AA663440		3.71	2.94	11.31	4.52	3.05	3.84	2.5	dependent
429505 AA011383		15.12	29.27	46.17	36.75	3.05	1.58	1.26	independent
1472698 AA873152		32.78	54.48	100.06	93.85	3.05	1.84	1.07	independent
731432 AA412067		3.58	3.27	10.89	4.31	3.05	3.34	2.53	dependent
121994 T98244		4.87	8.75	14.83	9.72	3.04	1.7	1.53	partial
840882 AA482325		9.47	6.3	28.78	26.77	3.04	4.56	1.07	independent
360436 AA013481		68.32	79.48	207.99	132.54	3.04	2.62	1.57	partial
563860 AA101173		1.44	2.22	4.37	3.83	3.04	1.97	1.14	independent
731310 AA416760		1.38	1.93	4.18	3.82	3.04	2.16	1.09	independent
325365 W52273		1.95	1.96	5.91	2.21	3.03	3.02	2.68	dependent
486850 AA042911		1.3	1	3.95	1.8	3.03	3.95	2.2	dependent
742666 AA400273		2.37	5	7.2	3.91	3.03	1.44	1.84	partial
384252 AA702094		1.37	1.43	4.14	2.44	3.03	2.9	1.69	partial
295798 N66942		61.09	35.06	184.33	109.63	3.02	5.26	1.68	partial
125548 R07371		1.54	1.55	4.64	2.6	3.02	2.99	1.78	partial
823859 AA490688		24.56	24.74	74.15	23.88	3.02	3	3.11	dependent
41898 R59579		1.54	2.13	4.62	3.17	3.01	2.17	1.46	independent
781019 AA446301		78.96	41.56	238.08	202.15	3.01	5.73	1.18	independent
309993 W24076		1.67	1.5	5.04	2.74	3.01	3.37	1.84	partial
278687 N62924		93.83	79.7	282.63	135.75	3.01	3.55	2.08	dependent
38497 R49124		1.81	2.4	5.45	4.39	3.01	2.27	1.24	independent
261492 H98619		19.22	48.79	57.82	53.25	3.01	1.19	1.09	independent
134525 R27581		28.84	36.21	86.6	63.39	3	2.39	1.37	independent
815294 AA481547		1.07	1.52	3.2	1	3	2.1	3.2	dependent
430007 AA034115		5.31	9.87	15.92	7.27	3	1.61	2.19	dependent
897950 AA598814		5.51	7.94	16.54	8.7	3	2.08	1.9	partial
780944 AA429807		5.94	4.66	17.82	7.92	3	3.83	2.25	dependent
567414 AA130846		30.84	48.34	92.26	53.76	2.99	1.91	1.72	partial
275871 R93829		1	1.68	2.99	1.05	2.99	1.78	2.86	dependent
882483 AA676598		16.23	25.31	48.5	23.86	2.99	1.92	2.03	dependent
1031844 AA609686		1	1	2.99	1.5	2.99	2.99	1.99	partial
1412504 AA845168		1.73	1.64	5.19	1.61	2.99	3.16	3.23	dependent
43022 R60152		1.77	3.96	5.28	5.75	2.99	1.33	0.92	independent
782841 AA448280		2.79	2.29	8.33	5.38	2.98	3.65	1.55	partial
668442 AA243828		3.15	2.48	9.38	4.54	2.98	3.78	2.07	dependent
563621 AA102634		2.85	3.99	8.47	6.94	2.98	2.12	1.22	independent
179500 H51404		1.82	1.55	5.44	1	2.98	3.51	5.44	dependent
782677 AA447587		5.46	4.73	16.27	4.2	2.98	3.44	3.88	dependent
22600 T87235		1.71	2.21	5.09	4.99	2.98	2.31	1.02	independent
772904 AA479908		1	1	2.98	2.96	2.98	2.98	1.01	independent
545403 AA078976		146.08	183.33	435.11	333.41	2.98	2.37	1.31	independent
491186 AA137073		2.12	2.36	6.32	5.37	2.98	2.68	1.18	independent
415682 W84711		2.57	4.08	7.64	4.42	2.98	1.67	1.73	partial
48277 H12264		1	1.95	2.98	7.95	2.98	1.53	0.38	independent



TABLE 1

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
344959 W72870		2.99	2.6	8.93	2.75	2.98	3.44	3.25	dependent
1055543 AA620821		1.71	3.74	5.1	2.82	2.98	1.36	1.81	partial
787854 AA452138		1.1	3.01	3.28	1.57	2.98	1.09	2.09	dependent
757158 AA443939		4.06	8.88	12.09	8.39	2.98	1.36	1.44	independent
155644 R71781		1	1	2.98	1	2.98	2.98	2.98	dependent
417707 W88965		12.96	15.78	38.44	31.54	2.97	2.44	1.22	independent
531957 AA113881		5.35	8.84	15.88	12.68	2.97	1.8	1.25	independent
757250 AA426054		2.64	3.86	7.83	2.86	2.97	2.03	2.74	dependent
138477 R68630		1.03	1	3.05	3.5	2.96	3.05	0.87	independent
134229 R31965		1.27	1.38	3.77	1.66	2.96	2.74	2.28	dependent
78808 T51125		10.43	17.12	30.93	21.24	2.96	1.81	1.46	independent
416978 W87533		1.43	1.84	4.23	1.48	2.96	2.31	2.85	dependent
309288 N93924		65.9	61.77	195.36	114.06	2.96	3.16	1.71	partial
743304 AA400487		2.74	4.33	8.12	5.45	2.96	1.87	1.49	partial
202943 H54237		3.62	5.41	10.72	9.46	2.96	1.98	1.13	independent
242682 H93543		1.06	1.35	3.14	1.63	2.96	2.34	1.93	partial
428298 AA004946		1	3.8	2.96	3.02	2.96	0.78	0.98	independent
1031367 AA609135		1.33	2.79	3.94	2.09	2.96	1.41	1.88	partial
740344 AA477909		74.85	48.04	220.69	121.71	2.95	4.59	1.81	partial
897822 AA598572		8.8	8.02	25.99	21.35	2.95	3.24	1.22	independent
198607 R94947		2.21	2.62	6.53	3.96	2.95	2.49	1.65	partial
271696 N31572		2.37	2.96	7	10.49	2.95	2.37	0.67	independent
254662 N22510		3.31	2.87	9.77	10.34	2.95	3.4	0.94	independent
299459 N76133		6.88	10.04	20.27	17.96	2.95	2.02	1.13	independent
161763 H26294		8.82	19.41	26	18.07	2.95	1.34	1.44	independent
308415 N93797		6.43	4.83	18.92	6.34	2.94	3.92	2.99	dependent
298966 N71157		3.1	3.01	9.1	5.37	2.94	3.02	1.69	partial
195635 R89317		1.16	1.76	3.41	2.39	2.94	1.94	1.43	independent
666469 AA232953		2.13	3.73	6.26	5.2	2.94	1.68	1.21	independent
80507 T64494		3.55	4.2	10.42	12.95	2.94	2.48	0.8	independent
66965 T67552		7.06	6.38	20.69	19.65	2.93	3.24	1.05	independent
428979 AA005145		6.91	5.36	20.22	12.88	2.93	3.77	1.57	partial
291247 N72213		2.06	2.75	6.04	3.51	2.93	2.2	1.72	partial
40673 R56044		2.66	2.69	7.8	7.39	2.93	2.9	1.06	independent
503914 AA131769		13.71	33.51	40.15	26.51	2.93	1.2	1.51	partial
897768 AA598507		1.24	1	3.64	2	2.93	3.64	1.82	partial
666324 AA232200		1.39	4.6	4.08	3.95	2.93	0.89	1.03	independent
190753 H38660		1.12	1	3.3	1	2.93	3.3	3.3	dependent
241931 H93046		2.09	4.02	6.11	2.75	2.93	1.52	2.22	dependent
155627 R71777		17.99	26.9	52.76	32.43	2.93	1.96	1.63	partial
144878 R78539		9.08	5.76	26.5	22.38	2.92	4.6	1.18	independent
132848 R25641		1.97	1.89	5.74	4.87	2.92	3.04	1.18	independent
361323 AA017544		1.84	3.07	5.37	3.3	2.92	1.75	1.63	partial
501989 AA128156		9.22	7.43	26.9	15.86	2.92	3.62	1.7	partial
417223 W87747		4.97	3.01	14.51	7.2	2.92	4.82	2.01	dependent

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
262035 H98688		1.98	1.56	5.77	2.01	2.92	3.69	2.87	dependent
277506 N56891		1.9	2.14	5.54	2.93	2.92	2.59	1.89	partial
785980 AA449780		8.54	4.09	24.96	12.31	2.92	6.11	2.03	dependent
1069733 AA599574		49.87	48.72	145.47	51.53	2.92	2.99	2.82	dependent
826985 AA521370		1.89	1.92	5.5	1.27	2.92	2.87	4.32	dependent
814961 AA465536		22.92	29.78	66.99	38.62	2.92	2.25	1.73	partial
363377 AA019591		4.1	3.22	11.91	10.16	2.91	3.7	1.17	independent
142259 R70518		5.74	7.09	16.71	11.22	2.91	2.36	1.49	partial
233547 H78368		8.7	9.49	25.3	15.55	2.91	2.67	1.63	partial
548957 AA115919		76.55	98.49	222.46	364.77	2.91	2.26	0.61	independent
124034 R02558		2.38	3.09	6.91	2.67	2.91	2.24	2.59	dependent
593223 AA159669		152.83	209.64	444.4	506.28	2.91	2.12	0.88	independent
595318 AA164301		1.47	2	4.26	10.42	2.91	2.13	0.41	independent
489462 AA054554		24.46	27.79	71.27	91.36	2.91	2.56	0.78	independent
283619 N52876		3.51	2.91	10.22	2.66	2.91	3.51	3.84	dependent
134682 R28303		1.75	1.94	5.07	1.37	2.9	2.61	3.71	dependent
281162 N50962		1	1	2.9	1	2.9	2.9	2.9	dependent
505209 AA151127		2.61	2.6	7.59	3.39	2.9	2.92	2.24	dependent
46195 H09241		2.28	1.29	6.61	5.45	2.9	5.11	1.21	independent
813636 AA447731		164.23	97.69	475.95	407.91	2.9	4.87	1.17	independent
156033 R72432		1.41	2.51	4.08	1.64	2.9	1.62	2.48	dependent
487296 AA045500		1	1	2.9	4.88	2.9	2.9	0.59	independent
450423 AA682795		7.68	6.06	22.31	14.67	2.9	3.68	1.52	partial
285226 N66278		62.85	25.85	181.78	157.31	2.89	7.03	1.16	independent
111266 T84085		1	1.8	2.89	2.34	2.89	1.61	1.23	independent
40773 R56046		1.34	2.09	3.89	4.93	2.89	1.86	0.79	independent
325001 W49583		4.38	9.87	12.64	8.37	2.89	1.28	1.51	partial
726438 AA399237		2.29	2.94	6.62	6.82	2.89	2.25	0.97	independent
868472 AA634261		1	1	2.89	4.32	2.89	2.89	0.67	independent
284306 N52205		21.02	41.67	60.78	56.31	2.89	1.46	1.08	independent
126221 R06309		27.52	20.3	79.28	57.76	2.88	3.91	1.37	independent
287300 N68327		1.93	2.38	5.56	4.46	2.88	2.34	1.25	independent
379200 AA683550		141.61	69.39	408.08	246.24	2.88	5.88	1.66	partial
282498 N49852		2.05	3.78	5.9	2.79	2.88	1.56	2.12	dependent
502891 AA135824		30.05	32.38	86.68	56.11	2.88	2.68	1.54	partial
266347 N26740		6.37	5.58	18.33	15.45	2.88	3.28	1.19	independent
278430 N66104		9.71	11.71	27.95	14.97	2.88	2.39	1.87	partial
754563 AA406313		2.93	2.67	8.43	7.34	2.88	3.16	1.15	independent
730294 AA412512		2.08	1.4	6	1	2.88	4.29	6	dependent
898096 AA598795		52.72	30.83	151.24	144.38	2.87	4.91	1.05	independent
280837 N50770		7.66	8.41	22.01	19.05	2.87	2.62	1.16	independent
433553 AA699469		2.32	3.89	6.64	3.67	2.87	1.71	1.81	partial
280131 N47003		2.14	3.66	6.14	2.66	2.87	1.68	2.31	dependent
1031516 AA609245		6.06	5.92	17.36	14.68	2.87	2.93	1.18	independent
491001 AA136710		316.33	363.76	908.89	507.85	2.87	2.5	1.79	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
855391 AA664007		12.83	18.92	36.79	25.08	2.87	1.94	1.47	partial
292388 N97230		42.64	12.73	121.88	82.09	2.86	9.58	1.48	partial
129000 R10363		2	3.06	5.72	5.37	2.86	1.87	1.07	independent
202901 H54183		6.24	3.06	17.83	12.46	2.86	5.83	1.43	partial
430049 AA034183		1.31	1.5	3.75	1.61	2.86	2.51	2.33	dependent
739511 AA478066		12.95	10.02	36.96	12.35	2.86	3.69	2.99	dependent
194134 H51039		1.09	1.31	3.11	1.49	2.86	2.37	2.08	dependent
773253 AA425877		6.48	6.73	18.52	7.04	2.86	2.75	2.63	dependent
42415 R60981		3.1	1.45	8.84	1	2.86	6.12	8.84	dependent
357364 W93709		1.87	1.52	5.36	3.95	2.86	3.53	1.36	independent
27459 R40077		1.79	1	5.12	1.06	2.86	5.12	4.85	dependent
700967 AA287828		1	1	2.86	1	2.86	2.86	2.86	dependent
810813 AA458884		91.85	34.8	261.97	48.25	2.85	7.53	5.43	dependent
253222 H88908		1.97	2.97	5.61	5.77	2.85	1.88	0.97	independent
201931 H52446		1	1	2.85	2.42	2.85	2.85	1.18	independent
745166 AA626717		1	1	2.85	1	2.85	2.85	2.85	dependent
789204 AA450205		64.37	35.52	183.02	79.06	2.84	5.15	2.31	dependent
77728 T55931		69.66	63.02	198.06	144.68	2.84	3.14	1.37	independent
202535 H53340		18.71	7.87	53.21	61.88	2.84	6.76	0.86	independent
47359 H11003		8.55	4.77	24.26	17.34	2.84	5.09	1.4	independent
254775 N22796		10.55	8.81	29.95	11.89	2.84	3.4	2.52	dependent
609209 AA167120		7.97	2.36	22.61	7.55	2.84	9.57	2.99	dependent
129347 R12695		4.69	3.34	13.31	10.99	2.84	3.98	1.21	independent
30102 R40228		2	1.82	5.67	2.62	2.84	3.11	2.17	dependent
1031688 AA609551		2.13	2.56	6.05	2.86	2.84	2.36	2.11	dependent
451570 AA707066		4.09	3.61	11.62	1.34	2.84	3.22	8.65	dependent
814682 AA481060		62.8	110.43	178.32	115.18	2.84	1.61	1.55	partial
265103 N21338		1	1	2.84	1.38	2.84	2.84	2.06	dependent
66443 R15734		1.41	1.63	3.98	3.21	2.83	2.44	1.24	independent
81394 T60191		5.63	4.09	15.91	7.94	2.83	3.89	2	partial
342753 W68421		1.65	3.53	4.67	5.44	2.83	1.32	0.86	independent
377275 AA055486		20.54	71.95	58.13	77.89	2.83	0.81	0.75	independent
32756 R43308		1.11	1.34	3.15	1.2	2.83	2.36	2.63	dependent
277974 N63436		1.04	1.42	2.95	1.14	2.83	2.08	2.6	dependent
565734 AA135809		22	19.05	62.32	21.48	2.83	3.27	2.9	dependent
824936 AA489033		17	40.93	48.09	45.15	2.83	1.17	1.07	independent
809413 AA459905		1.88	3.67	5.31	5.72	2.82	1.45	0.93	independent
342008 W60057		72.83	59.78	205.1	95.4	2.82	3.43	2.15	dependent
366541 AA026626		9.37	11.12	26.41	30.35	2.82	2.38	0.87	independent
46097 H08796		2.69	4	7.6	4.13	2.82	1.9	1.84	partial
823718 AA489653		1.36	1.67	3.84	1.7	2.82	2.29	2.25	dependent
417263 W87781		3.09	2.33	8.72	4.94	2.82	3.74	1.77	partial
203700 H56052		2.32	2.49	6.55	2.53	2.82	2.63	2.58	dependent
358468 W96014		7.11	5.1	19.96	19.12	2.81	3.91	1.04	independent
810567 AA464578		21.2	14.85	59.52	36.46	2.81	4.01	1.63	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
452848 AA704816		1.88	2.86	5.28	3.16	2.81	1.85	1.67	partial
287807 N59178		3.25	3.24	9.12	2.64	2.81	2.81	3.45	dependent
285370 N66348		3.94	5.13	11.07	12	2.81	2.16	0.92	independent
201168 R98532		10.89	8.25	30.48	27.73	2.8	3.69	1.1	independent
294127 N71365		1.64	2.33	4.59	4.16	2.8	1.97	1.1	independent
859627 AA666405		1	1.37	2.8	1.38	2.8	2.05	2.03	dependent
344958 W72892		8.79	11.29	24.61	16.67	2.8	2.18	1.48	partial
767284 AA418414		2.21	3.94	6.19	3	2.8	1.57	2.07	dependent
782703 AA447611		4.65	7.46	13.04	11.47	2.8	1.75	1.14	independent
121639 T97602		1.88	2.78	5.26	3.12	2.8	1.89	1.68	partial
242687 H93550		1.34	2.04	3.73	1.97	2.79	1.83	1.9	partial
260336 H99257		3.8	4.64	10.6	5.62	2.79	2.29	1.88	partial
509943 AA052960		124.13	39.65	345.77	174.47	2.79	8.72	1.98	partial
202897 H54023		2.01	3.11	5.61	32.27	2.79	1.81	0.17	independent
41558 R67259		2.31	1.45	6.44	5.46	2.79	4.43	1.18	independent
144856 R78565		2.73	5.11	7.63	4.09	2.79	1.49	1.86	partial
280308 NA7075		1.07	1.64	3	4.53	2.79	1.82	0.66	independent
838616 AA456968		4.67	6.23	13.04	11.49	2.79	2.09	1.13	independent
505007 AA151297		1.31	2.14	3.65	2.7	2.79	1.7	1.35	independent
193397 H48105		12.43	15.98	34.7	16.86	2.79	2.17	2.06	dependent
109221 T81399		7.23	6.44	20.09	9.28	2.78	3.12	2.16	dependent
178860 H49519		5.51	4.7	15.35	5.59	2.78	3.26	2.75	dependent
277627 N45979		19.58	20.89	54.36	42.39	2.78	2.6	1.28	independent
756595 AA444051		1.97	1.27	5.49	3.2	2.78	4.32	1.72	partial
39586 R51908		156.22	91.86	433.56	403.58	2.78	4.72	1.07	independent
247276 N57954		3.15	2.21	8.77	6.01	2.78	3.97	1.46	partial
277621 N49389		9.91	12.68	27.54	9.09	2.78	2.17	3.03	dependent
241482 H80707		3.24	2.54	8.98	9.72	2.77	3.53	0.92	independent
121540 T97699		1.68	2.74	4.65	3.58	2.77	1.7	1.3	independent
344033 W70046		2.49	2.76	6.91	3.51	2.77	2.51	1.97	partial
782775 AA448173		2.57	2.72	7.12	4.58	2.77	2.62	1.55	partial
796498 AA460225		39.16	20.82	108.66	91.39	2.77	5.22	1.19	independent
291155 N72165		26.9	52.08	74.57	67.29	2.77	1.43	1.11	independent
341706 W60581		34.32	14.89	94.78	90.37	2.76	6.37	1.05	independent
234425 H93264		1.34	2.61	3.69	2.23	2.76	1.41	1.65	partial
130358 R21770		2.77	1.3	7.64	4.92	2.76	5.88	1.55	partial
505059 AA150918		17.59	11.12	48.61	19.16	2.76	4.37	2.54	dependent
49435 H15396		2.55	2.32	7.04	4.58	2.76	3.03	1.54	partial
430968 AA678335		1.6	1.1	4.4	1.02	2.76	3.99	4.3	dependent
1031984 AA609987		1.29	1.91	3.57	3.58	2.76	1.87	1	independent
505454 AA156433		1.62	1.73	4.46	2.43	2.76	2.58	1.83	partial
243602 NA9717		9.89	11.26	27.33	18.67	2.76	2.43	1.46	partial
950445 AA599092		200.68	78.35	551.7	305.18	2.75	7.04	1.81	partial
76362 T60235		142.28	257.87	391.05	304.84	2.75	1.52	1.28	independent
23588 R38369		3.64	4.2	9.99	10.16	2.75	2.38	0.98	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
771274 AA443602		1	1	2.75	1	2.75	2.75	2.75	dependent
280567 N51674		1.72	1.4	4.75	2.35	2.75	3.4	2.02	dependent
265294 N20848		3.65	4.7	10.03	5.36	2.75	2.13	1.87	partial
1056186 AA621001		4.32	3.73	11.89	3.55	2.75	3.18	3.35	dependent
781283 AA446344		2.13	3.41	5.88	2.75	2.75	1.73	2.13	dependent
287598 N62132		23.12	18.78	63.54	34.63	2.75	3.38	1.83	partial
324513 W51909		8.33	1.68	22.93	4.01	2.75	13.68	5.72	dependent
432480 AA699495		1.67	1.26	4.58	2.31	2.75	3.63	1.98	partial
194804 R89808		19.01	14.68	52.15	41.39	2.74	3.55	1.26	independent
165818 R86843		1	1	2.74	1	2.74	2.74	2.74	dependent
383188 AA074224		2.62	2.68	7.2	6.11	2.74	2.69	1.18	independent
148028 H13623		43	59.42	117.73	52.2	2.74	1.98	2.26	dependent
823621 AA496960		1.75	2.75	4.81	1.77	2.74	1.75	2.72	dependent
757258 AA426056		2.18	2.72	5.97	3.97	2.74	2.19	1.51	partial
840467 AA485877		21.28	22.61	58.28	29.95	2.74	2.58	1.95	partial
416769 W86648		2.48	4.29	6.8	4.22	2.74	1.58	1.61	partial
383967 AA702740		7.28	10.33	19.98	16.48	2.74	1.93	1.21	independent
323623 V44411		20.36	23.49	55.61	61.3	2.73	2.37	0.91	independent
197793 R93729		1.44	1.52	3.92	1.22	2.73	2.58	3.21	dependent
50749 H17322		4.72	6.88	12.92	13.12	2.73	1.88	0.98	independent
346055 W72098		2.5	2.88	6.81	5.03	2.73	2.37	1.35	independent
285581 N66454		4.35	5.52	11.86	11.08	2.73	2.15	1.07	independent
28243 R40855		1.22	2.84	3.33	1	2.73	1.17	3.33	dependent
502436 AA134862		36.08	53.9	98.56	58.65	2.73	1.83	1.68	partial
150126 H01915		32.85	27.94	89.72	54.29	2.73	3.21	1.65	partial
362457 AA018276		1.01	1	2.76	1	2.73	2.76	2.76	dependent
259950 N32587		60.84	61.05	165.81	95.38	2.73	2.72	1.74	partial
200773 R96844		2.16	3.82	5.87	9.32	2.72	1.54	0.63	independent
133972 R28020		47.6	41.17	129.27	115.8	2.72	3.14	1.12	independent
504226 AA132090		1.41	1.56	3.83	1.35	2.72	2.46	2.83	dependent
416981 W87541		59.27	48.16	161.41	100.39	2.72	3.35	1.61	partial
342208 W63785		11.41	24.85	31.03	25.32	2.72	1.25	1.23	independent
376356 AA041300		10.5	9.22	28.52	20.56	2.72	3.09	1.39	partial
773381 AA425754		25.13	32.84	68.28	40.29	2.72	2.08	1.69	partial
281116 N50937		2.34	2.85	6.35	3.75	2.72	2.23	1.7	partial
730055 AA416979		2.85	3.04	7.75	4.53	2.72	2.55	1.71	partial
781404 AA430202		1.74	1.16	4.74	1.68	2.72	4.07	2.82	dependent
290244 N64389		2.04	3.21	5.55	4.66	2.72	1.73	1.19	independent
742685 AA400292		2.62	4.41	7.12	6.25	2.72	1.62	1.14	independent
609047 AA167500		3.05	3.35	8.28	7.76	2.72	2.47	1.07	independent
743186 AA041410		2.81	3.26	7.66	7.56	2.72	2.35	1.01	independent
190325 H29897		56.04	70.85	152.2	61.51	2.72	2.15	2.47	dependent
488888 AA046067		20.04	14.98	54.31	23.66	2.71	3.62	2.3	dependent
795876 AA460140		13.2	8.82	35.81	22.98	2.71	4.06	1.56	partial
788507 AA452572		15.98	15.47	43.34	35.3	2.71	2.8	1.23	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
60605 T40568		4.71	6.05	12.76	9.9	2.71	2.11	1.29	independent
703559 AA278865		9.75	7.85	26.42	8.87	2.71	3.37	2.98	dependent
435651 AA701297		7.79	12.91	21.11	11.47	2.71	1.64	1.84	partial
246766 N53167		1.23	1.61	3.33	1.6	2.7	2.07	2.08	dependent
454822 AA677388		1.42	1.36	3.82	2.66	2.7	2.81	1.44	partial
838230 AA458674		8.02	11.77	21.65	9.71	2.7	1.84	2.23	dependent
587415 AA132520		4.83	4.49	13.06	9.35	2.7	2.91	1.4	partial
307774 N93057		2.23	5.54	6.03	4.11	2.7	1.09	1.47	partial
502762 AA125869		3.12	2.62	8.4	2.99	2.69	3.21	2.81	dependent
884867 AA669443		6.18	9.65	16.64	9.45	2.69	1.73	1.76	partial
291786 N67860		1.58	1.32	4.25	2.25	2.69	3.22	1.89	partial
47426 H11086		1.17	1.93	3.15	3.25	2.69	1.63	0.97	independent
377671 AA055979		1	1	2.69	1	2.69	2.69	2.69	dependent
428083 AA001672		1.11	1.18	2.98	5.23	2.69	2.54	0.57	independent
884719 AA629567		912.9	536.42	2451.16	1573.34	2.69	4.57	1.56	partial
284286 N52192		4.26	4.27	11.46	6.84	2.69	2.68	1.67	partial
377441 AA055242		3.93	2.36	10.59	3.36	2.69	4.48	3.16	dependent
824530 AA490894		52.9	47.29	142.07	80.29	2.69	3	1.77	partial
163841 H14057		21.98	11.77	59.11	29.99	2.69	5.02	1.97	partial
206882 R98905		14.81	16.57	39.75	23.94	2.68	2.4	1.66	partial
796148 AA460975		1.48	2.77	3.96	2.7	2.68	1.43	1.47	partial
399152 AA733105		1	1	2.68	1	2.68	2.68	2.68	dependent
782386 AA431402		2.56	3.76	6.87	4.43	2.68	1.83	1.55	partial
127711 R09504		6.89	7.66	18.47	12.99	2.68	2.41	1.42	partial
814309 AA459108		14.35	42.58	38.46	46.16	2.68	0.9	0.83	independent
701402 AA287936		37.76	29.61	101.22	81.09	2.68	3.42	1.25	independent
246703 N59716		13.48	8.45	35.98	47.88	2.67	4.26	0.75	independent
842933 AA489329		1.82	2.7	4.88	4.12	2.67	1.81	1.19	independent
258120 N30868		2.33	4.73	6.23	5.1	2.67	1.32	1.22	independent
342647 V68281		12.22	10.63	32.63	22.35	2.67	3.07	1.46	partial
270274 N33550		1.13	1.03	3.01	1.87	2.67	2.92	1.61	partial
767844 AA418737		7.51	6.23	20.07	11.6	2.67	3.22	1.73	partial
781339 AA448394		3	3	8.01	1.75	2.67	2.67	4.57	dependent
825781 AA505116		5.55	1.3	14.81	2.01	2.67	11.42	7.36	dependent
197856 R96208		1.39	2.35	3.69	2.91	2.66	1.57	1.27	independent
841664 AA487560		44.6	64.22	118.44	78.63	2.66	1.84	1.51	partial
731273 AA420997		3.64	3.52	9.67	9.49	2.66	2.75	1.02	independent
809527 AA454582		9.29	11.03	24.75	19.44	2.66	2.24	1.27	independent
855586 AA664219		345.4	357.65	917.1	490.02	2.66	2.56	1.87	partial
111736 T91204		2.26	1.71	6	1.97	2.66	3.5	3.04	dependent
282446 N52017		3.75	4.68	9.98	4.16	2.66	2.13	2.4	dependent
306077 N91481		10.93	19.59	29.08	13.81	2.66	1.48	2.11	dependent
377679 AA056010		3.21	8.97	8.54	9.58	2.66	0.95	0.89	independent
244011 N38791		3.51	3.82	9.32	7.8	2.66	2.44	1.19	independent
279513 N48824		2.2	3.2	5.83	1.14	2.66	1.83	5.12	dependent

TABLE I

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
646749 AA205572		11.7	27.09	31.14	26.01	2.66	1.15	1.2	independent
486348 AA044299		27.27	16.36	72.68	35.22	2.66	4.44	2.06	dependent
244847 N52572		6.23	5.48	16.53	17.28	2.65	3.02	0.96	independent
502496 AA156859		10.38	9.29	27.51	28.64	2.65	2.96	0.96	independent
259587 N32766		2.36	3.84	6.26	4.66	2.65	1.63	1.34	partial
127462 R08772		1	1.13	2.65	1.33	2.65	2.34	2	partial
134690 R28267		1.6	2.17	4.23	1	2.65	1.95	4.23	dependent
208027 H59780		2.59	2.51	6.86	5.3	2.65	2.73	1.29	independent
731108 AA421489		3.41	2.2	9.05	8.29	2.65	4.12	1.09	independent
666451 AA232939		4.47	5.29	11.82	7.47	2.65	2.24	1.58	partial
1030848 AA621747		1.97	2.26	5.2	4.43	2.65	2.31	1.18	independent
280156 N47009		1.64	2.53	4.36	1.97	2.65	1.72	2.21	dependent
207546 H59722		8.1	9.98	21.47	19.42	2.65	2.22	1.11	independent
254310 N22262		3.66	5.48	9.7	5.83	2.65	1.77	1.66	partial
754291 AA479498		1.23	1.67	3.27	3.62	2.65	1.96	0.9	independent
454333 AA677254		12.35	8.56	32.71	13.98	2.65	3.82	2.34	dependent
431029 AA758470		1	1	2.65	1.58	2.65	2.65	1.67	partial
324342 W47576		4.46	6.6	11.75	8.57	2.64	1.78	1.37	partial
66919 T67474		15.19	6.55	40.16	19.51	2.64	6.14	2.06	dependent
787861 AA452376		12.18	14.95	32.14	29.76	2.64	2.15	1.08	independent
491157 AA114864		5.62	7.08	14.81	15.11	2.64	2.09	0.98	independent
810131 AA464250		3.38	5.67	8.94	8.01	2.64	1.58	1.12	independent
731075 AA421292		12.13	15.9	32.02	26.04	2.64	2.01	1.23	independent
415459 W80591		10.35	15.71	27.35	25.74	2.64	1.74	1.06	independent
773392 AA425749		4.79	4.51	12.67	4.16	2.64	2.81	3.05	dependent
753236 AA406373		10.36	13.07	27.35	11.79	2.64	2.09	2.32	dependent
376423 AA041388		1.82	1.23	4.81	2.83	2.64	3.9	1.7	partial
28927 R40373		7.95	6.81	20.98	8.83	2.64	3.08	2.38	dependent
756211 AA481868		7.17	6.81	18.87	13.85	2.63	2.86	1.36	partial
786672 AA451891		1.46	3.23	3.84	6.38	2.63	1.19	0.6	independent
67625 T49530		21.75	11.4	57.19	37.6	2.63	5.02	1.52	partial
361688 W96197		1	1.01	2.63	3.72	2.63	2.59	0.71	independent
590692 AA156324		20.71	29.31	54.56	57	2.63	1.86	0.96	independent
455115 AA676802		2.74	3.84	7.2	3.8	2.63	1.88	1.89	partial
270062 N27841		2.67	4.51	7.03	3.64	2.63	1.56	1.93	partial
429789 AA009648		3.44	7.1	9.06	7.97	2.63	1.28	1.14	independent
1323539 AA858296		1.75	1.89	4.6	3.64	2.63	2.43	1.27	independent
731193 AA417356		1.84	3.21	4.82	1.69	2.63	1.5	2.85	dependent
450064 AA703393		8.7	8.55	22.87	13.62	2.63	2.67	1.68	partial
128126 R09561		59.22	153.2	155.07	323.43	2.62	1.01	0.48	independent
668182 AA252169		7.74	5.96	20.32	24.91	2.62	3.41	0.82	independent
122178 T98615		1	1	2.62	1	2.62	2.62	2.62	dependent
289421 N63953		12.35	9.12	32.4	19.26	2.62	3.55	1.68	partial
809473 AA443119		28.77	52.89	75.51	94.09	2.62	1.43	0.8	independent
429749 AA011694		1.16	2.11	3.04	1.87	2.62	1.44	1.63	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
121551 T97710		39.54	21.56	103.47	54.42	2.62	4.8	1.9	partial
739109 AA421518		51.84	30.93	135.92	96.43	2.62	4.4	1.41	partial
795685 AA459936		1.15	1.07	3	1.77	2.62	2.8	1.69	partial
210789 H64380		2.03	2.52	5.32	26.01	2.62	2.11	0.2	independent
266407 N21665		2.89	2.07	7.58	3.77	2.62	3.67	2.01	dependent
282831 N50138		1.95	1.48	5.1	1.99	2.62	3.43	2.56	dependent
431671 AA680388		13.48	10.55	35.35	22.48	2.62	3.35	1.57	partial
824526 AA490892		2.42	1.54	6.34	1	2.62	4.12	6.34	dependent
122295 T99114		19.06	27.8	49.68	56.92	2.61	1.79	0.87	independent
823663 AA489729		7.59	9.62	19.77	18.63	2.61	2.05	1.06	independent
161458 H25547		5.66	5.96	14.76	7.14	2.61	2.48	2.07	dependent
877636 AA488177		41.31	60.35	107.76	98.04	2.61	1.79	1.1	independent
729964 AA416890		6.49	8.62	16.95	20.64	2.61	1.97	0.82	independent
289868 N62077		12.38	19.67	32.29	23.11	2.61	1.64	1.4	partial
220164 H85101		2.3	2.76	6.01	3.12	2.61	2.18	1.92	partial
252274 H87151		1	1	2.61	1	2.61	2.61	2.61	dependent
272155 N31484		7.4	10.17	19.36	17.3	2.61	1.9	1.12	independent
771236 AA443557		63.32	46.19	164.8	119.39	2.6	3.57	1.38	partial
788285 AA452627		2.96	2.16	7.7	2.98	2.6	3.57	2.59	dependent
198582 R94810		2.53	4.95	6.59	5.78	2.6	1.33	1.14	independent
203302 H54764		17.45	11.89	45.42	29.9	2.6	3.82	1.52	partial
292033 N73290		1.79	1.99	4.66	4.62	2.6	2.34	1.01	independent
502622 AA136054		126.72	59.57	329.11	113.93	2.6	5.52	2.89	dependent
878468 AA670380		3.46	3.69	9	4.6	2.6	2.44	1.95	partial
341978 W61361		9.72	10.08	25.29	9.24	2.6	2.51	2.74	dependent
725176 AA401883		73.46	113.9	191	244.17	2.6	1.68	0.78	independent
268736 N25945		58.13	51.33	151.08	57.32	2.6	2.94	2.64	dependent
795456 AA453623		52.15	49.55	135.7	83.48	2.6	2.74	1.63	partial
811897 AA454651		9.51	13.13	24.71	25.53	2.6	1.88	0.97	independent
1056172 AA620995		12.4	16.89	32.28	25.65	2.6	1.91	1.26	independent
757160 AA443940		3.15	2.51	8.2	2.11	2.6	3.26	3.88	dependent
38007 R61530		1.01	2.86	2.62	1.11	2.6	0.92	2.36	dependent
282780 N50108		2.23	3.42	5.79	4.14	2.6	1.69	1.4	partial
183556 H44032		1.22	1.1	3.18	7.5	2.6	2.9	0.42	independent
724615 AA291398		27.26	6.2	70.47	29.74	2.59	11.36	2.37	dependent
212438 H69528		18.65	31.69	48.3	37.39	2.59	1.52	1.29	independent
306996 N93646		3.38	2.54	8.76	7.67	2.59	3.44	1.14	independent
365411 AA025237		1.72	1.19	4.45	2.52	2.59	3.74	1.77	partial
811565 AA454600		1.73	2.26	4.49	5.69	2.59	1.99	0.79	independent
49532 H15727		1.88	1.95	4.86	4.35	2.59	2.5	1.12	independent
757210 AA443971		7.84	5.51	20.32	9.96	2.59	3.69	2.04	dependent
47586 H11737		1.32	1.66	3.43	1.25	2.59	2.06	2.73	dependent
809714 AA455476		42.34	39.96	109.78	67.41	2.59	2.75	1.63	partial
289379 N73803		3.05	4.39	7.91	5.84	2.59	1.8	1.35	partial
743537 AA609432		3.56	3.76	9.21	4.82	2.59	2.45	1.91	partial



TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
113160 T83842		4.46	3.8	11.55	15.63	2.59	3.04	0.74	independent
730872 AA417026		3.02	3.45	7.83	6.94	2.59	2.27	1.13	independent
417294 W88785		3.18	4.16	8.24	5.72	2.59	1.98	1.44	partial
271799 N31605		11.78	12.21	30.52	20.69	2.59	2.5	1.48	partial
131877 R25153		1.49	1.14	3.84	1.33	2.58	3.38	2.89	dependent
342994 W68009		9.79	11.45	25.3	15.9	2.58	2.21	1.59	partial
739126 AA421687		12.88	9.1	33.22	23.45	2.58	3.65	1.42	partial
320871 W44768		1.62	2.86	4.19	5.09	2.58	1.46	0.82	independent
341804 W60838		6.68	7.86	17.25	13.93	2.58	2.19	1.24	independent
897649 AA496801		1.19	1.03	3.08	1	2.58	2.99	3.08	dependent
878836 AA670429		2.43	3.82	6.26	5.37	2.58	1.64	1.17	independent
796712 AA460695		1.46	1.49	3.78	1.37	2.58	2.53	2.76	dependent
487035 AA043979		8.48	5.76	21.89	16.08	2.58	3.8	1.36	partial
1031642 AA609512		3.81	5.17	9.82	6.43	2.58	1.9	1.53	partial
1031346 AA609106		2.99	3.44	7.71	4.61	2.58	2.24	1.67	partial
431573 AA676354		4.69	3.25	12.09	4.23	2.58	3.71	2.86	dependent
683481 AA215414		2.56	2.65	6.62	2.07	2.58	2.5	3.19	dependent
814791 AA455242		65.59	176.66	168.9	130.53	2.58	0.96	1.29	partial
293191 N91677		82.33	100.15	211.62	195.01	2.57	2.11	1.09	independent
796542 AA463830		5.53	6.77	14.23	11.49	2.57	2.1	1.24	independent
199367 R95691		5.28	8.55	13.59	12.79	2.57	1.59	1.06	independent
194607 R87650		8.52	9.75	21.92	15.2	2.57	2.25	1.44	partial
32483 R43456		5.12	7.92	13.13	15.06	2.57	1.66	0.87	independent
67715 T49610		9.1	10.64	23.37	23.75	2.57	2.2	0.98	independent
298603 N70608		1	1.78	2.57	2.27	2.57	1.45	1.13	independent
344010 W70242		6.73	2.67	17.28	9.39	2.57	6.46	1.84	partial
453641 AA775899		6.95	7.6	17.87	8.18	2.57	2.35	2.19	dependent
713213 AA283631		1.78	1	4.59	2.48	2.57	4.59	1.85	partial
50460 H16789		1	1	2.57	1	2.57	2.57	2.57	dependent
825461 AA504354		10.86	20.71	27.87	22.52	2.57	1.35	1.24	independent
700830 AA283819		21.76	23.21	55.96	37.22	2.57	2.41	1.5	partial
303152 N92749		1	1	2.57	1	2.57	2.57	2.57	dependent
814989 AA465723		109.34	66.73	280.97	123.99	2.57	4.21	2.27	dependent
175759 H41572		1	1	2.57	1.23	2.57	2.57	2.09	dependent
129147 R10903		1	1	2.57	1	2.57	2.57	2.57	dependent
840364 AA485626		97.73	82.6	249.77	213.86	2.56	3.02	1.17	independent
132464 R26581		4.11	3.26	10.51	8.75	2.56	3.23	1.2	independent
279329 N46360		1	1.4	2.56	2.24	2.56	1.83	1.14	independent
299721 N75054		1.37	1.28	3.49	2.82	2.56	2.72	1.24	independent
229949 H70887		1.65	1.42	4.23	1	2.56	2.98	4.23	dependent
162491 H27752		3.5	4.55	8.97	4.92	2.56	1.97	1.82	partial
754460 AA410292		2.77	3.97	7.09	5.43	2.56	1.78	1.31	partial
743161 AA401404		3.6	5.22	9.19	6.19	2.56	1.76	1.49	partial
782757 AA448012		5.14	9.1	13.18	8.25	2.56	1.45	1.6	partial
824237 AA491249		350.2	273.74	897.7	487.54	2.56	3.28	1.84	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	P13K dependency
814815	AA455261	3.31	6.02	8.45	3.57	2.56	1.4	2.37	dependent
786202	AA448690	182.82	188.44	466.06	418.21	2.55	2.47	1.11	independent
949938	AA599177	113.66	84.79	290.23	317.16	2.55	3.42	0.92	independent
282378	N52696	6.15	5.17	15.7	3.47	2.55	3.04	4.52	dependent
877613	AA488221	18.68	40.59	47.65	49.78	2.55	1.17	0.96	independent
853809	AA668470	44.45	66.64	113.48	83.75	2.55	1.7	1.35	partial
810951	AA459396	10.81	10.77	27.56	22.79	2.55	2.56	1.21	independent
77238	T50137	5.33	6.46	13.58	12.48	2.55	2.1	1.09	independent
796287	AA460849	77.77	110.1	198.67	196.36	2.55	1.8	1.01	independent
51842	H24308	1.86	3.02	4.72	4.41	2.55	1.56	1.07	independent
296748	N74052	1.91	2.94	4.87	3.32	2.55	1.65	1.46	partial
757352	AA437107	2.55	4.41	6.51	7.8	2.55	1.48	0.83	independent
243453	N33603	2.69	2.39	6.85	2.04	2.55	2.87	3.35	dependent
771303	AA443638	18.3	44.75	46.74	54.32	2.55	1.04	0.86	independent
814792	AA465611	78.42	72.26	199.18	124.65	2.54	2.76	1.6	partial
739983	AA477501	2.51	2.45	6.39	3.93	2.54	2.61	1.63	partial
823900	AA490493	41.9	47.32	106.37	74.16	2.54	2.25	1.43	partial
811890	AA454970	6.8	11.8	17.27	19.54	2.54	1.46	0.88	independent
878280	AA670279	2.99	3.3	7.6	8.24	2.54	2.3	0.92	independent
283739	N52970	19.43	35.8	49.36	61.49	2.54	1.38	0.8	independent
81449	T63490	6.46	13.15	16.44	25.65	2.54	1.25	0.64	independent
325674	W51835	3.3	2.97	8.38	5.26	2.54	2.83	1.59	partial
795820	AA461492	2.91	2.31	7.4	2.67	2.54	3.2	2.77	dependent
951016	AA620418	4.4	4.23	11.16	8.04	2.54	2.64	1.39	partial
730038	AA416989	1.71	3.09	4.35	5.84	2.54	1.41	0.75	independent
1031362	AA609122	1.97	3.87	4.99	2.78	2.54	1.29	1.79	partial
754218	AA479148	2.11	3.79	5.36	4.73	2.54	1.41	1.13	independent
205582	H58175	14.38	19.18	36.49	23.92	2.54	1.9	1.53	partial
451788	AA706804	1	1	2.54	1	2.54	2.54	2.54	dependent
165878	R87964	1.06	2.64	2.7	2.4	2.53	1.02	1.12	independent
180520	R85213	44.14	28.32	111.85	93.17	2.53	3.95	1.2	independent
130028	R11613	1.72	2.73	4.36	3.84	2.53	1.59	1.14	independent
306380	W19653	11.07	7.2	28.04	23.35	2.53	3.89	1.2	independent
503052	AA149443	2.02	2.58	5.12	1.48	2.53	1.98	3.46	dependent
50918	H19320	1	1	2.53	2.62	2.53	2.53	0.97	independent
781460	AA428655	4.95	3.46	12.54	7.51	2.53	3.62	1.67	partial
204465	H58222	1.84	3.18	4.66	1.77	2.53	1.47	2.63	dependent
46375	H09086	66.88	131.72	169.02	183.32	2.53	1.28	0.92	independent
726439	AA399245	1.02	1	2.57	1	2.53	2.57	2.57	dependent
730564	AA435953	4.65	6.31	11.78	8.33	2.53	1.86	1.41	partial
839372	AA490077	29.51	42.26	74.61	43.71	2.53	1.77	1.71	partial
247084	N57849	3.43	2.23	8.66	3.7	2.53	3.88	2.34	dependent
435663	AA701300	31.82	32.42	80.58	45.82	2.53	2.49	1.76	partial
824419	AA490235	15.06	18.6	38.11	18.22	2.53	2.05	2.09	dependent
179193	H50128	6.71	11.76	16.96	8.34	2.53	1.44	2.03	dependent

TABLE 1

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A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
232612	H73420	8.63	4.16	21.73	18.06	2.52	5.22	1.2	independent
842849	AA486289	93.3	85.88	235.25	129.64	2.52	2.74	1.81	partial
22918	R45255	254	268.71	640.03	314.55	2.52	2.38	2.03	dependent
771058	AA427521	1.62	3.49	4.08	1.72	2.52	1.17	2.37	dependent
248997	H79979	9.39	7.36	23.7	12.13	2.52	3.22	1.95	partial
415707	W84663	13.79	24.97	34.69	32.12	2.52	1.39	1.08	independent
272288	N35603	2	1.35	5.05	2.07	2.52	3.75	2.43	dependent
276412	N40188	3.79	4.38	9.56	5.94	2.52	2.18	1.61	partial
396229	AA757847	1	1	2.52	1	2.52	2.52	2.52	dependent
295770	N66933	24.66	30.02	62.19	53.61	2.52	2.07	1.16	independent
810282	AA464067	19.55	8.17	49.01	26.96	2.51	6	1.82	partial
202621	H53791	2.57	2.26	6.46	4.64	2.51	2.86	1.39	partial
366933	AA027317	2.13	2.82	5.34	4.61	2.51	1.89	1.16	independent
49315	H15366	1.52	1	3.81	4.49	2.51	3.81	0.85	independent
593840	AA166810	10.63	6.49	26.71	23.89	2.51	4.12	1.12	independent
340994	W57872	25.86	51.64	64.88	80.3	2.51	1.26	0.81	independent
258969	N31645	1.44	1.65	3.61	2.43	2.51	2.19	1.49	partial
135338	R32478	13.42	24.43	33.69	23.6	2.51	1.38	1.43	partial
198866	H82872	8.68	11.26	21.74	23.42	2.51	1.93	0.93	independent
245010	N52641	7.42	9.13	18.58	15.41	2.51	2.04	1.21	independent
784035	AA443722	86.25	128.18	216.49	206.42	2.51	1.69	1.05	independent
219717	H80032	1.14	1.4	2.87	1	2.51	2.04	2.87	dependent
198023	R96478	1.84	1.83	4.64	5.65	2.51	2.54	0.82	independent
284076	N53406	11.88	18.88	29.8	42.28	2.51	1.58	0.7	independent
198312	R94191	46.32	22.14	115.98	124.84	2.5	5.24	0.93	independent
132871	R27505	4.82	3.02	12.04	14.81	2.5	3.98	0.81	independent
279905	N38860	10.52	4.97	26.34	15.05	2.5	5.3	1.75	partial
781444	AA428604	62.19	65.49	155.64	99.82	2.5	2.38	1.56	partial
782541	AA448486	1	1.38	2.5	1.01	2.5	1.81	2.47	dependent
51606	H18936	1.97	3.11	4.94	3.01	2.5	1.59	1.64	partial
277714	N49577	1.01	1.02	2.53	1	2.5	2.48	2.53	dependent
281275	N47858	2.22	1.24	5.53	3.79	2.5	4.48	1.46	partial
813284	AA455933	2.78	1.64	6.96	4.29	2.5	4.25	1.62	partial
666502	AA233075	3.39	4.34	8.46	4.55	2.5	1.95	1.86	partial
27098	R36989	1.04	1	2.59	1.1	2.5	2.59	2.36	dependent
290142	N63278	2.07	1.87	5.19	6.63	2.5	2.78	0.78	independent
666359	AA232206	3.94	6.49	9.85	6.8	2.5	1.52	1.45	partial
206272	H58542	17.04	10.3	42.64	10.52	2.5	4.14	4.05	dependent
173087	H20676	24	17.43	59.93	25.34	2.5	3.44	2.36	dependent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	P13K dependency
296788	N74075	222.89	272.69	5.05	13.8	50.0	50.0	2.7	partial
299412	N76101	277.57	251.21	8.87	30.63	33.3	25.0	3.4	partial
814584	AA480894	60.59	38.75	1.59	2.19	33.3	25.0	1.4	independent
262231	H99170	44.22	15.51	1.79	4.61	25.0	8.3	2.6	partial
825847	AA504780	46.98	21.59	1.8	3.39	25.0	12.5	1.9	independent
248371	N72623	25.89	18.28	1.4	7.59	20.0	12.5	5.6	partial
744360	AA621183	94.28	152.53	4.63	39.78	20.0	33.3	8.3	partial
826133	AA521345	19.66	11.82	1.06	1.97	20.0	11.1	1.9	independent
741919	AA402040	37.56	33.44	2.03	10.66	20.0	16.7	5.3	partial
345616	W72431	119.01	94.51	6.82	26.35	16.7	14.3	3.8	partial
133454	R27457	180.26	158.21	10.37	9.72	16.7	14.3	0.9	independent
34345	R44163	110.22	123.51	6.48	23.98	16.7	20.0	3.7	partial
731469	AA412417	172.78	198.17	10.31	20.72	16.7	20.0	2.0	independent
1239859	AA705981	111.73	57.94	6.59	12.45	16.7	9.1	1.9	independent
210522	H65034	82.23	46.05	5.59	10.16	14.3	8.3	1.8	independent
290753	N67639	126.09	120.25	8.57	27.74	14.3	14.3	3.2	partial
731308	AA416759	261.04	190.2	17.92	45.08	14.3	11.1	2.5	partial
767823	AA418728	130.4	82.53	9.76	24.42	14.3	8.3	2.5	partial
811954	AA456635	58.29	45.06	4.01	3.68	14.3	11.1	0.9	independent
53265	R16157	183	197.17	12.59	26.14	14.3	16.7	2.1	partial
322218	W37993	15.28	13.33	1	1.3	14.3	12.5	1.3	independent
204614	H56918	399.94	378.68	32.06	92.84	12.5	12.5	2.9	partial
80338	T65736	133.8	120.33	11.09	14.6	12.5	11.1	1.3	independent
270786	N29800	42.5	40.68	3.28	15.68	12.5	12.5	4.8	partial
39453	R51631	68.05	58.95	5.63	7.24	12.5	10.0	1.3	independent
124474	R01101	53.16	30.3	4.49	6.62	12.5	6.7	1.5	independent
149544	H00292	23.64	17.28	1.86	5.78	12.5	9.1	3.1	partial
878231	AA775774	35	32.92	2.71	11.97	12.5	12.5	4.3	partial
359933	AA035620	404.42	276.38	36.37	184.57	11.1	7.7	5.0	partial
323371	W42849	160.83	173.31	15.24	59.5	11.1	11.1	3.8	partial
296640	N73991	17.54	13.29	1.52	2.95	11.1	9.1	2.0	independent
490232	AA121313	15.97	11.99	1.48	1	11.1	8.3	0.7	independent
744362	AA621184	92.64	96.08	8.27	23.11	11.1	11.1	2.8	partial
48167	H12254	202.53	160.83	18.65	43.47	11.1	8.3	2.3	partial
767843	AA418743	104.16	69.98	9.77	26.12	11.1	7.1	2.7	partial
768997	AA424754	134.78	188.87	12.75	44.65	11.1	14.3	3.4	partial
48662	H14988	92.42	99.79	8.72	29.47	11.1	11.1	3.3	partial
785910	AA449481	58.63	41.04	5.1	8.83	11.1	8.3	1.7	independent
796624	AA460530	40.69	45.06	3.72	3.58	11.1	12.5	1.0	independent
461098	AA701168	173.11	240.01	15.73	102.77	11.1	14.3	6.7	dependent
325062	W47073	10.23	4.32	1	1.1	10.0	4.3	1.1	independent
183120	H42967	201.48	132.43	19.74	47.18	10.0	6.7	2.4	partial
193987	R83879	29.58	24	3.04	6.42	10.0	7.7	2.1	partial
50615	H17513	251.62	236.98	25.58	63.59	10.0	9.1	2.5	partial

1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821

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Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
200418	R97234	113.55	32.76	15.56	15.38	7.1	2.1	1.0	independent
320392	W16832	15.17	11.62	2.16	4.69	7.1	5.3	2.2	partial
120362	T95916	39.2	35.22	5.32	6.59	7.1	6.7	1.2	independent
773254	AA425853	147.79	89.67	21	37.67	7.1	4.3	1.8	independent
505579	AA147056	55.95	38.97	7.72	14.42	7.1	5.0	1.9	independent
129227	R11047	220.03	172	29.79	70.9	7.1	5.9	2.4	partial
80318	T64452	86.18	86.96	12.46	19.03	7.1	7.1	1.5	independent
769603	AA425908	140.04	130.93	19.99	27.9	7.1	6.7	1.4	independent
1030791	AA609009	53.64	24.52	7.31	8.62	7.1	3.3	1.2	independent
73009	T57269	86.75	103.72	12.47	29.45	7.1	8.3	2.4	partial
278243	N63575	102.64	65.87	14.87	24.51	7.1	4.3	1.6	independent
781061	AA446479	27.57	28.28	3.88	9.67	7.1	7.1	2.5	partial
1405689	AA890663	668.04	583.25	90.26	46.54	7.1	6.7	0.5	independent
31972	R43020	117.05	102.1	16.93	21.94	7.1	5.9	1.3	independent
308038	N95260	49.42	31.91	6.82	13.57	7.1	4.8	2.0	independent
509701	AA058369	54.63	48.33	7.78	23.38	7.1	6.3	3.0	partial
784276	AA447480	174.42	184.65	25.02	66.52	7.1	7.1	2.6	partial
826254	AA520978	205.04	287.91	30.24	81.08	6.7	9.1	2.7	partial
625458	AA181149	128.26	140.97	19.22	40.78	6.7	7.1	2.1	partial
773479	AA427899	268.38	68.79	40.96	26.21	6.7	1.7	0.6	independent
489444	AA054542	73.26	55.86	10.92	16	6.7	5.0	1.5	independent
31740	R41973	83.43	62.5	12.27	15.5	6.7	5.0	1.3	independent
47418	H11063	104.34	118.29	15.93	36.08	6.7	7.7	2.3	partial
291091	N67678	71.94	81.84	10.56	32.38	6.7	7.7	3.0	partial
179143	H50107	43.43	42.59	6.7	19.93	6.7	6.3	2.9	partial
35626	R45292	231.77	207.4	34.96	41.1	6.7	5.9	1.2	independent
505203	AA151125	227.31	250.84	34.57	60.29	6.7	7.1	1.8	independent
768217	AA424905	263.52	186.74	39.46	101.12	6.7	4.8	2.6	partial
785913	AA449490	42.8	34.5	6.44	5.15	6.7	5.3	0.8	independent
812069	AA455994	159.54	101.23	23.74	23.82	6.7	4.3	1.0	independent
260216	N32095	37.43	36.65	5.72	8.99	6.7	6.3	1.6	independent
230380	H80258	68.31	61.11	9.93	13.02	6.7	6.3	1.3	independent
1031363	AA609134	43.16	48.73	6.26	12.01	6.7	7.7	1.9	independent
247446	N58052	27.7	41.14	4.17	7.95	6.7	10.0	1.9	independent
50887	H19201	65.34	88.71	9.55	60.81	6.7	9.1	6.3	dependent
700724	AA285128	37.33	18.69	5.72	27.29	6.7	3.2	4.8	dependent
753914	AA479093	106.62	95.44	17.51	34.17	6.3	5.6	2.0	independent
306901	N91952	32.66	26.99	5.13	10.69	6.3	5.3	2.1	partial
204614	H56918	233.1	196.97	36.33	114.99	6.3	5.6	3.1	dependent
276519	N39101	135.85	93.84	22.24	36.78	6.3	4.2	1.7	independent
511459	AA115310	2890.14	1836.7	460.51	555.07	6.3	4.0	1.2	independent
265716	N24732	115.48	120.01	18.6	31.88	6.3	6.7	1.7	independent
843265	AA488663	271.43	276.68	43.92	100.99	6.3	6.3	2.3	partial
726703	AA398264	83.99	93.18	13.84	30.33	6.3	6.7	2.2	partial

TABLE 2

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Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
23908	R38387	46.48	66.86	7.24	15.68	6.3	9.1	2.2	partial
753940	AA479106	363.59	473.63	58.71	149.43	6.3	8.3	2.6	partial
882522	AA676466	2608.04	2725.04	412.81	721.87	6.3	6.7	1.8	independent
611150	AA173109	1223.65	852.78	194.33	442.75	6.3	4.3	2.3	partial
44075	H06236	8.61	8.67	1.37	3.02	6.3	6.3	2.2	partial
434768	AA701860	764.93	1340.08	122.08	400.21	6.3	11.1	3.2	dependent
784183	AA446661	1070.17	744.99	173.02	115.46	6.3	4.3	0.7	independent
42636	R61780	11.58	9.65	1.9	1.24	6.3	5.0	0.7	independent
627002	AA190843	372.59	218.72	60.89	107.05	6.3	3.6	1.8	independent
629498	AA192765	61.68	33.64	9.76	22.43	6.3	3.4	2.3	partial
767441	AA417946	50.93	76.58	7.97	10.89	6.3	10.0	1.4	independent
449384	AA777435	22.73	20.14	3.63	6.03	6.3	5.6	1.7	independent
194061	H50582	24.99	20.54	4.37	12.13	5.9	4.8	2.8	partial
136235	R33755	498.58	348.79	82.74	146.62	5.9	4.2	1.8	independent
346117	W77927	9.11	10.15	1.52	3.12	5.9	6.7	2.0	partial
50988	H18435	76.43	106.17	13.21	23.36	5.9	8.3	1.8	independent
756533	AA436440	156.41	121.42	26.77	35.47	5.9	4.5	1.3	independent
33603	R43873	55.66	83.56	9.61	20.31	5.9	8.3	2.1	partial
40178	R53578	66.94	82.67	11.28	9.34	5.9	7.1	0.8	independent
81316	T60061	315.05	459.45	53.04	167.4	5.9	8.3	3.1	dependent
756502	AA443998	89.24	71.55	14.78	46.42	5.9	4.8	3.1	dependent
51460	H20847	50.61	42.62	8.83	28.18	5.9	4.8	3.2	dependent
1492230	AA875933	77.72	82.9	13.15	24.73	5.9	6.3	1.9	independent
31261	R42864	46.46	34.89	7.69	6.86	5.9	4.5	0.9	independent
345876	W72020	43.51	54.48	7.34	12.41	5.9	7.7	1.7	independent
627211	AA195398	30.33	27.08	5.1	6.1	5.9	5.3	1.2	independent
565624	AA127419	33.31	43.25	5.8	16.7	5.9	7.7	2.9	partial
195162	R91954	51	33.16	8.61	8.4	5.9	3.8	1.0	independent
754628	AA436252	101.09	720.64	17.15	198.23	5.9	50.0	11.1	dependent
41905	R59601	65.42	47.71	11.3	18.44	5.9	4.2	1.6	independent
42018	R59615	14.2	15.03	2.4	6.85	5.9	6.3	2.9	partial
729953	AA412049	51.13	27.1	8.63	12.66	5.9	3.1	1.5	independent
843220	AA488443	90.63	68.97	15.65	34.24	5.9	4.3	2.2	partial
814303	AA459106	345.03	358.34	58.88	61.24	5.9	6.3	1.0	independent
451732	AA707671	23.77	18.81	4.14	7.83	5.9	4.5	1.9	independent
250678	H95976	441.43	485.94	76.18	220.1	5.9	6.3	2.9	partial
345208	W72322	62.35	35.57	11.19	14.87	5.6	3.2	1.3	independent
321739	W33021	11.76	12.01	2.12	5.31	5.6	5.6	2.5	partial
754436	AA410207	13.22	9.43	2.35	4.85	5.6	4.0	2.0	partial
284619	N64800	62.1	72.11	11.19	14.14	5.6	6.3	1.3	independent
756627	AA481480	300.16	485.32	54.71	46.12	5.6	9.1	0.8	independent
435036	AA700054	49.83	32.87	9.01	16.86	5.6	3.7	1.9	independent
50722	H17520	12.81	13.35	2.29	5.02	5.6	5.9	2.2	partial
324715	W47362	21.38	7.07	3.91	2.68	5.6	1.8	0.7	independent

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Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	P13K dependency
795322	AA454165	39.48	52.11	7.15	24.09	5.6	7.1	3.3	dependent
855624	AA664101	81.53	81.74	14.82	23.87	5.6	5.6	1.6	independent
269923	N24894	125.98	64.75	22.07	42.7	5.6	2.9	1.9	independent
263084	H99829	45.27	78.19	8.19	18.68	5.6	10.0	2.3	partial
1466844	AA885433	24.81	22.42	4.37	6.22	5.6	5.0	1.4	independent
853670	AA663439	634.75	921.9	116.9	459.04	5.6	7.7	4.0	dependent
510575	AA057742	129.36	166.39	23.2	41.02	5.6	7.1	1.8	independent
784190	AA446655	19.71	11.05	3.56	3.08	5.6	3.1	0.9	independent
897656	AA496796	215.91	244.82	39.42	106.46	5.6	6.3	2.7	partial
731020	AA421258	119.18	127.1	21.24	29.67	5.6	5.9	1.4	independent
37598	R51080	10.52	12.68	1.92	1.78	5.6	6.7	0.9	independent
686594	AA255900	76.49	111.53	13.62	69.38	5.6	8.3	5.0	dependent
320834	W38657	43.07	46.65	8.23	15.2	5.3	5.6	1.9	independent
838373	AA458801	33.95	21.38	6.51	6.89	5.3	3.3	1.0	independent
415215	W95063	40.84	56.42	7.56	32.52	5.3	7.7	4.3	dependent
415700	W85697	12.37	4.54	2.39	2.28	5.3	1.9	1.0	independent
120561	T95200	37.82	61.59	7.19	19.06	5.3	8.3	2.6	dependent
201274	R99407	50.63	47.95	9.63	15.36	5.3	5.0	1.6	independent
201483	R97251	16.19	16.89	3.11	6.04	5.3	5.6	1.9	independent
666658	AA232979	65.21	62.33	12.34	20.58	5.3	5.0	1.7	independent
357396	W93847	24.72	22	4.74	15.46	5.3	4.5	3.2	dependent
79726	T62552	62.79	83.76	11.66	33.29	5.3	7.1	2.9	dependent
460114	AA676840	11.77	10.81	2.22	1.66	5.3	4.8	0.7	independent
154472	R54846	49.94	71.16	9.71	7.13	5.3	7.1	0.7	independent
416039	W85782	73.71	89.47	14.05	38.75	5.3	6.3	2.8	dependent
84264	T72850	69.95	75.57	13.23	40.33	5.3	5.6	3.0	dependent
132072	R26046	57.41	23.54	11.14	8.82	5.3	2.1	0.8	independent
843263	AA488652	469.46	465.94	88.12	182.3	5.3	5.3	2.1	partial
260142	N32057	36.53	39.37	6.99	14.13	5.3	5.6	2.0	independent
305920	N90419	11.57	30.77	2.23	6.9	5.3	14.3	3.1	dependent
203003	H54417	248.84	174.16	47.26	67.24	5.3	3.7	1.4	independent
30574	R42177	39.95	35.06	7.66	10.43	5.3	4.5	1.4	independent
327480	W20462	48.13	33.66	9.33	15.31	5.3	3.6	1.6	independent
742695	AA400297	93.18	117.23	17.77	32.78	5.3	6.7	1.9	independent
824923	AA489028	112.58	88.06	21.11	34.27	5.3	4.2	1.6	independent
284583	N64780	140.37	135.83	26.73	57.05	5.3	5.0	2.1	partial
824510	AA490522	7.52	6.14	1.42	9.85	5.3	4.3	7.1	dependent
826256	AA520979	48.27	111.99	9.03	67.48	5.3	12.5	7.7	dependent
897720	AA598982	24.29	32.5	4.63	16.99	5.3	7.1	3.7	dependent
137195	R36135	38.17	60.96	7.23	33.1	5.3	8.3	4.5	dependent
418185	W90522	40.01	13.73	7.95	10.86	5.0	1.7	1.4	independent
897814	AA598527	46.19	46.16	9.24	15.43	5.0	5.0	1.7	independent
240249	H89664	8.75	3.75	1.72	3.18	5.0	2.2	1.9	independent
745347	AA625666	13.04	14.4	2.65	2.71	5.0	5.6	1.0	independent



TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	P13K dependency
277189	N40953	25.28	31.1	5.03	7.57	5.0	6.3	1.5	independent
41230	R58954	17.27	18.58	3.39	6.96	5.0	5.6	2.0	partial
41358	R59167	67.27	63.99	13.33	27.97	5.0	4.8	2.1	partial
795837	AA461511	50.35	48.85	9.88	18.49	5.0	5.0	1.9	independent
347035	W81135	44.21	30.62	8.8	9.55	5.0	3.4	1.1	independent
430172	AA010247	80.52	66.49	15.76	19.86	5.0	4.2	1.3	independent
24623	R37580	77.08	76.48	15.65	22	5.0	5.0	1.4	independent
726768	AA398366	40.28	20.07	8.22	6.57	5.0	2.4	0.8	independent
786550	AA452125	99.9	84.04	20.25	56.05	5.0	4.2	2.8	dependent
358200	W95409	48.09	45.62	9.82	11.13	5.0	4.5	1.1	independent
731311	AA416767	67.8	29.58	13.35	10.9	5.0	2.2	0.8	independent
43090	R61289	15.93	22.03	3.2	11.18	5.0	6.7	3.4	dependent
293729	N63835	123.53	133.9	24.22	63.06	5.0	5.6	2.6	dependent
294926	N71461	5.04	1	1	3.49	5.0	1.0	3.4	dependent
741790	AA402965	85.02	140.55	17.18	60.17	5.0	8.3	3.4	dependent
811088	AA485795	31.13	49.68	6.51	14.26	4.8	7.7	2.2	partial
135240	R31512	18.88	20.36	3.96	8.08	4.8	5.3	2.0	partial
28162	R39763	10.34	9.53	2.17	6.46	4.8	4.3	2.9	dependent
51338	H20814	14.89	16.67	3.18	10.33	4.8	5.3	3.2	dependent
742776	AA400188	41.04	94.61	8.67	20.29	4.8	11.1	2.3	partial
44361	H05826	143.89	148.55	30.46	79.3	4.8	4.8	2.6	dependent
1387760	AA838691	75.17	98.23	15.79	36.54	4.8	6.3	2.3	partial
950450	AA599094	483.93	392.69	102.4	153.89	4.8	3.8	1.5	independent
841386	AA487527	300.14	394.36	61.9	119.17	4.8	6.3	1.9	independent
838872	AA481794	33.11	4.86	6.86	4.11	4.8	0.7	0.6	independent
813629	AA447738	923.48	702.01	197.29	231.89	4.8	3.6	1.2	independent
257382	N30699	324.65	379.79	66.64	72.22	4.8	5.6	1.1	independent
196259	R92602	28.3	24.97	5.95	7.21	4.8	4.2	1.2	independent
813384	AA458622	15.14	14.1	3.22	6.3	4.8	4.3	2.0	independent
796263	AA460833	57.39	44.58	11.8	14.5	4.8	3.8	1.2	independent
325513	W52248	1704.28	1510.7	361.44	536.85	4.8	4.2	1.5	independent
785337	AA476502	7.92	11.88	1.66	3.26	4.8	7.1	2.0	independent
838366	AA458779	53.66	44.17	11.02	20.43	4.8	4.0	1.9	independent
280371	N47111	15.2	24.79	3.21	10.39	4.8	7.7	3.2	dependent
814739	AA454928	4.67	3.43	1	4.67	4.8	3.4	4.8	dependent
454698	AA677200	20.08	21.08	4.14	6.77	4.8	5.0	1.6	independent
397432	AA701046	40.1	50.44	8.39	25.45	4.8	5.9	3.0	dependent
815549	AA456827	128.93	135.25	27.62	43.21	4.8	5.0	1.6	independent
884414	AA773068	12.26	11.34	2.58	10.26	4.8	4.3	4.0	dependent
138917	R62862	28.14	31.84	6.15	9.89	4.5	5.3	1.6	independent
204545	H58644	60.49	86.09	13.51	27.84	4.5	6.3	2.0	partial
322961	W45165	37.15	26.61	8.06	12.1	4.5	3.3	1.5	independent
741139	AA402207	41.36	27.37	9.1	9.18	4.5	3.0	1.0	independent
131839	R24635	45.37	14.83	9.97	4.45	4.5	1.5	0.4	independent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	P13K dependency
628357	AA196000	23.88	9.06	5.32	4.17	4.5	1.7	0.8	independent
502527	AA156873	4.51	4.69	1	1.31	4.5	4.8	1.3	independent
22374	T82459	23.85	14.79	5.2	8.63	4.5	2.9	1.7	independent
41495	R54073	33.53	23.95	7.27	5.32	4.5	3.3	0.7	independent
291827	N72976	61.46	59.62	13.33	8.62	4.5	4.5	0.6	independent
503338	AA130187	38.99	38.3	8.59	30.72	4.5	4.5	3.6	dependent
347613	W81504	27.58	29.27	5.99	6.81	4.5	5.0	1.1	independent
340949	W57818	6.68	10.05	1.48	2.71	4.5	6.7	1.9	independent
73475	T55446	130.94	112.29	28.46	30.47	4.5	4.0	1.1	independent
415229	W91879	288.66	524.29	64.84	189.14	4.5	8.3	2.9	dependent
79592	T62865	101.45	141.17	22.04	64.53	4.5	6.3	2.9	dependent
283190	N51357	6.05	8.99	1.33	5.27	4.5	6.7	4.0	dependent
415851	W86282	50.46	72.51	11.01	45.03	4.5	6.7	4.2	dependent
594031	AA169444	146.58	90.56	32.24	27.41	4.5	2.8	0.8	independent
255261	N23877	41.86	43.05	9.28	14.55	4.5	4.5	1.6	independent
39577	R51889	22.6	16.86	5.06	4.33	4.5	3.3	0.9	independent
279720	N49065	83.8	77.85	18.45	20.26	4.5	4.2	1.1	independent
376697	AA046618	60.72	58.68	13.29	22.82	4.5	4.3	1.7	independent
781145	AA446188	24.47	20.46	5.49	6.97	4.5	3.7	1.3	independent
810209	AA464522	42.07	25.53	9.17	16.84	4.5	2.8	1.9	independent
233759	H64591	41.02	44.58	9.07	7.35	4.5	5.0	0.8	independent
768064	AA418907	36.47	64.43	8.05	22.72	4.5	8.3	2.9	dependent
813637	AA447742	589.39	501.92	127.37	114.45	4.5	4.0	0.9	independent
42485	R59977	15.28	11.26	3.42	1.57	4.5	3.3	0.5	independent
812128	AA455339	40.03	29.9	8.64	9.5	4.5	3.4	1.1	independent
754625	AA436260	38.78	46.98	8.64	22.1	4.5	5.6	2.6	dependent
782501	AA431772	49.85	60.59	10.8	39.4	4.5	5.6	3.7	dependent
701710	AA287097	54.77	43.35	12.12	12.87	4.5	3.6	1.1	independent
843312	AA489555	16.8	17.85	3.92	9.26	4.3	4.5	2.4	dependent
133519	R28614	10.49	8.49	2.41	4	4.3	3.6	1.7	independent
143790	R76782	28.19	46.23	6.59	15.04	4.3	7.1	2.3	dependent
713922	AA290737	31.07	26.61	7.02	9.62	4.3	3.8	1.4	independent
121220	T97183	10.55	7.54	2.43	9.91	4.3	3.1	4.0	dependent
429186	AA005112	22.05	19.35	5	10.71	4.3	3.8	2.1	partial
248642	N59534	26.42	12.31	6	4.79	4.3	2.0	0.8	independent
430252	AA010375	10.33	13.68	2.42	1.42	4.3	5.6	0.6	independent
71863	T52564	9.67	10.81	2.18	2.68	4.3	5.0	1.2	independent
72666	T50389	251.54	313.31	58.03	143.85	4.3	5.3	2.5	dependent
855395	AA664009	585.01	625.45	137.15	315.61	4.3	4.5	2.3	dependent
782688	AA447593	13.3	11.74	3.03	4.56	4.3	3.8	1.5	independent
587992	AA130596	204.44	98.01	47.78	71.82	4.3	2.0	1.5	independent
811893	AA454980	96.42	70.03	22.63	15.15	4.3	3.1	0.7	independent
730942	AA417373	24.75	23.02	5.61	8.38	4.3	4.2	1.5	independent
263047	N20045	23.8	24.32	5.46	8.07	4.3	4.5	1.5	independent



TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
46182	H09614	105.31	33.73	26.56	14.64	4.0	1.3	0.6	independent
429704	AA011654	61.77	47.47	15.74	32.21	4.0	3.0	2.0	dependent
75475	T57637	77.05	123.67	19.24	40.67	4.0	6.3	2.1	dependent
51631	H20543	54.72	46.16	13.77	30.59	4.0	3.3	2.2	dependent
51547	H20825	23.38	19.39	5.81	6.75	4.0	3.3	1.2	independent
897593	AA496886	8.94	21.02	2.28	15	4.0	9.1	6.7	dependent
629542	AA193025	31.03	14.78	7.91	6.46	4.0	1.9	0.8	independent
46129	H09529	9.92	21.94	2.45	16.68	4.0	9.1	6.7	dependent
454440	AA677306	18.62	19.18	4.57	4.69	4.0	4.2	1.0	independent
223350	H86554	289.92	261.92	72.37	148.76	4.0	3.6	2.0	dependent
50904	H19234	11.72	12.53	2.88	11.24	4.0	4.3	3.8	dependent
669379	AA236798	34.37	70.54	8.68	16.06	4.0	8.3	1.9	independent
1461737	AA884403	41.94	40.76	10.29	18.85	4.0	4.0	1.8	independent
784143	AA432090	62.63	56.31	15.37	33.95	4.0	3.7	2.2	dependent
772925	AA479933	105.5	95.04	26.09	33.69	4.0	3.7	1.3	independent
132637	R26792	73.03	79.13	18.61	66.05	4.0	4.2	3.6	dependent
785897	AA449474	9.06	4.94	2.24	2.61	4.0	2.2	1.2	independent
813639	AA447743	14.05	15.31	3.57	4.85	4.0	4.3	1.4	independent
594946	AA172039	286.41	323.03	70.62	60.09	4.0	4.5	0.8	independent
129777	R16983	256.62	244.99	64.42	86.43	4.0	3.8	1.3	independent
127751	R09725	89.29	90.7	22.51	36.97	4.0	4.0	1.6	independent
357940	V99364	114.75	90.37	28.59	44.76	4.0	3.1	1.6	independent
843276	AA488658	492.25	559.81	124.47	267.15	4.0	4.5	2.1	dependent
788488	AA452542	5.98	5.26	1.52	3.99	4.0	3.4	2.6	dependent
38072	R49013	22.18	27.04	5.59	14.97	4.0	4.8	2.7	dependent
281802	N48089	40.36	51.12	10.16	11.72	4.0	5.0	1.1	independent
44292	H06273	3012.03	2664.84	744.66	1373.04	4.0	3.6	1.9	independent
784306	AA447083	4.01	2.45	1	1	4.0	2.4	1.0	independent
785342	AA476494	293.19	609.55	74.54	163.18	4.0	8.3	2.2	dependent
450213	AA703536	412.54	291.66	101.14	143.32	4.0	2.9	1.4	independent
277761	N49605	9.44	9.36	2.34	3.04	4.0	4.0	1.3	independent
289916	N59330	44.51	32.38	11.11	39.13	4.0	2.9	3.6	dependent
744905	AA625788	97.3	99.8	23.9	53	4.0	4.2	2.2	dependent
824479	AA490338	18.65	11.91	4.69	8.65	4.0	2.6	1.9	independent